

cgtccaaccc cgtgtacaag aaggtgcccg tcctcattca caacggcagg cccgtctgcg 120
 agtcgctgct catcctggag tacctcgacg acgccgctcg ccttgccggc aacggcaagc 180
 ccacccctccc cgcagacccc tacagccgcg ccgtcgctcg cttctggggc gcctatgtga 240
 acgacaagct gttcccttcg tgcaccggga tcctcaagac tacgaagcat gaggagagag 300
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 <223> Clone ID: uC-tsfl9316119d06b1
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 atcgcggggc atacgcgcgc gttcgacctg ttcgcgcgcc tgcgtcaccg gcgcttcccc 180
 ggcggcgacg catggcggca acccgcgctc gaactcggga tgctgtacca ccgtgtacgc 240
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<210> 2415
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 <213> Triticum aestivum
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 <400> 2415

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 gctcccgcgc agcgtcgagt cgtacaccct ggacgagggg aacggcctgc tcgaggcgcg 180
 gctgtcggcg ccgtgctacg cgacgtacga caacggcgac ctggctttct tcgacaccgt 240
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<210> 2416

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 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316119e06b1

 <400> 2416

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 gacgggggcgc aggtcgggtg cctcgccggg aacgggggtgc aggacgtgga cgagggtgac 120
 aagagctgct cgctcaagtt caagacctcg ctcaagaggc tgttcgagga gctgctgatg 180
 gagttcacgg tgaagggagc ggactgcagc aagttcct 218

<210> 2417
 <211> 264
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316119g10b1

 <400> 2417

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 aagaactgca cgggctagtc tatgctcaag ttttgtgttc tcattcttta acttggcata 180
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<210> 2418
 <211> 301
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316120a11b1

 <400> 2418

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 ggcccggccg cccgcgggca tggggtcatc cgacagcgac tcgagcgggg tgctgaacga 180
 cacggacgcg accggcgcca cgccaacaga ggaggcgccg gctccggaga tggggacgct 240

gctcggcggg cccggggcgg ccggcgcggc ggcgggcggg cacggggcagg tgttcctgca 300
c 301

<210> 2419
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316120c04b1

<400> 2419

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acaaaggggc ttacttaaca aggagtcaga ggaatctaata gaagaagaga gctatttttt 120
ctgttgagct gacaccaagc ttgtttacat ctactgctga taatgcatac caatcaatac 180
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<210> 2420
<211> 374
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316120f04b1

<400> 2420

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gtcctcccgc tggccctccc tgcagagggc cagctccgcy gcagccggag atggcgccgg 180
ctcgtcagaa gcgcccggcg acagctcgct cgacgcagac ctctcagga ggggtctccg 240
ggtagaggac gcggaccgag cgttggacat tatcgcgag tcgctgggag gcggggctgg 300
ctccggctcg aaagcgttcc tcgacgcgtt cgactgcaat gcgatattag cggcggcgct 360
tgaccggggc aacg 374

<210> 2421
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316120f05b1

<400> 2421

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caggaggaca ccttctcgga tcgtgaggat tgggacag 98

<210> 2422

<211> 392

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001a07b1

<400> 2422

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tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gg 392

<210> 2423

<211> 536

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001a09b1

<400> 2423

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tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt ctttctttta 120
caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gctaggtttg gggttggtt 420

aactgctcta ataggagagt cagctacttg gataaaaaga gtgatccaaa tgaataagaa 480

aatccaagta ttttacggta ttcattgaggt caaatttgat gcagacatga taatta 536

<210> 2424

<211> 554

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316001a12b1

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420

gttaactgct ctataaggag agtcagctac ttggataaaa agagtgatca aaatgaataa 480

gaaaatccan gtattttacg gtatccatga gttcaaattg atgcagacat gataataaaa 540

gatagatcag ggtc 554

<210> 2425

<211> 539

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001b07b1

<400> 2425

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggg ttgggggttg 420
ggttaactgc tctaataagg agagtcagct acttgatta aaaagagtga tcaaaatgaa 480
taagaaaatc cacgtatttt acggtatcca tgagttcaaa tttgatgcag acatgataa 539

<210> 2426
<211> 515
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316001b09b1
<400> 2426

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ctgacaaagt aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca 120
gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
aatgcgaacc ccgtcgacat ggcctggtec gttgtgccgg tactgcgatc cggcgacttg 240
tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt cgccgtgacc 300
ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat tgagatcctc 360
gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga gagcgaattg 420
acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac aagccccaat 480
gccaaaggac ttgccaatat gacgcccagag gagcg 515

<210> 2427
<211> 543
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316001b12b1
<400> 2427

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tacaaatccc aaaaccttta ctgactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatatttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aag 543

<210> 2428
 <211> 538
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c08b1

<400> 2428

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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaacc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtcgga aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca cgtattttac ggtatccatg agttcaaatt tgatgcagac atgataat 538

<210> 2429
 <211> 591
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001c10b1

<400> 2429

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 taaaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt ttctttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttcaaaa ttgatgcaga catgataatt 540
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<210> 2430
 <211> 612
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316001c11b1
 <400> 2430

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 taaaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt ttcttatcat tgaatcaacc cttttttttt ttctttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
 gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
 aagaaaatcc aagtatttta cggtatccat gagttcaaat tngatgcaga catgataatt 540
 aaagattaga ttcaggttca naatgatagg gaatggtatc agatcatgac agtgtggcga 600
 gtagagcaat ct 612

<210> 2431
 <211> 634

<212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316001c12b1
 <400> 2431

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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt ngatgcagac atgataatta 540
 aagattagat tcagggttcaa attgataggg aatggatatca gatcatgaca gtggggcgag 600
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<210> 2432
 <211> 525
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001d08b1
 <400> 2432

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttgggtc gttgtgccgg tactgcgatc 240
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 cgccgtgacc ctgcaacagg tggcccttc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtctctgacg ttgtctccct tccgctagac acggtgttcg tcaacctgga 420

aagccccaat gccaaaggacg ttgccaacat gacgcccag gagcg 525

<210> 2433
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001d09b1

<400> 2433

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agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc catgggcccc 180
gaatgcgaac cccgtcgaca tggcctggtc cgttgtgccg gtactgcat cgggcgactt 240
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cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca ttgagatcct 360
cgtgctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg agagcgaatt 420
gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga caagcccaa 480
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<210> 2434
<211> 533
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001d11b1

<400> 2434

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agcgcccaga tcccaatgac gagctcgctg acgatgtcca ccacgttgca gtcgcgccat 180
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gcgacttgct ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg 300
ccgtgaccct gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg 360

agatcctcgt actcgacgtt gctccccctt cgctagacac ggtggtcgtc aacctggaga 420
 gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac catccgacaa 480
 gcccgaatgc caaggacgtt gccaacatga cgcccaggga gcgtctagcc acg 533

<210> 2435
 <211> 513
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001e07b1
 <400> 2435

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 caaagcggcc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
 catgggcccc gaatgcgaac cccgtcgaca tggcctggtc cgttggtgccg gtactgcgat 240
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<210> 2436
 <211> 416
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316001e08b1
 <400> 2436

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 aacattttta atccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300

tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
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<210> 2437
 <211> 343
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316001e09b1

<400> 2437

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 caaagtcttg ctaggtcgca aatggtgcag cagagcagtt gccatgtgat gcaacaacaa 180
 tgttgccagc agttgccgca natccccag caatcccgct atgaggcaat ccgtgctatc 240
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<210> 2438
 <211> 298
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001e11b1

<400> 2438

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atggggccccg aatgogaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc 240
 cggcgacttg tcccattcga ccatccagtt ctgcgcctcc tcgtcggcgc ttcagagc 298

<210> 2439
 <211> 369
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001f08b1

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 caaagcgcgc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcgc 180
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 catgggcccc gaatgcgaac cccgccgaca tggcctggtc cgttgtgccg gtactgcat 240
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 tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagcggca 360
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<212> DNA

<213> Triticum aestivum

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<400> 2444

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 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
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<211> 513

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g10b1

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<210> 2446

<211> 523

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001g11b1

<400> 2446

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<210> 2447

<211> 525

<212> DNA
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<210> 2448
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 <212> DNA
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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
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 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
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<223> Clone ID: uC-tsfl9316001h08b1

<400> 2449

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 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
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 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316001h09b1

<400> 2450

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 tctttacaaa ccccaaaacc ttactagac tttgtctgct tctttagctt acttcaccta 180
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ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat 480
gaataagaaa atcccagtat ttacggtat tcatgagttc aaatttgatg cagacatgat 540
aattaaagat tagattcagg gtcaaaatga tagggaatgg tatcagatca tga 593

<210> 2451
<211> 522
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl931600lh10b1
<400> 2451

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<210> 2452
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<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl931600lh11b1
<400> 2452

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 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
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 <212> DNA
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<223> Clone ID: uC-tsfl9316001h12b1

<400> 2453

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<223> Clone ID: uC-tsfl9316008a02b1

<400> 2454

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<210> 2455
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<212> DNA
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<223> Clone ID: uC-tsfl9316008a03b1
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<400> 2456


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<223>      Clone ID: uC-tsfl9316008a12b1
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1023

<210> 2460
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<223> Clone ID: uC-tsfl9316008b01b1

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 <212> DNA
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<223> Clone ID: uC-tsfl9316008b03b1

<400> 2461

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<210> 2462
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 <212> DNA
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<223> Clone ID: uC-tsfl9316008b05b1

<400> 2462

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 aaccgaactg ccatctccgg tacttggggtg atcaaccata cagtgatggc cctcttacgg 180
 ggacctaaaa agatttggcg ctaccctgga acaagtggac agttgaaagt tgtgcaacca 240
 cagtctaagc tgggaattag atcctcggtc tcaacgttgg tactgttaca aagacacggg 300
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<210> 2463
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008b06b1

<400> 2463

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<210> 2464
 <211> 561

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<210> 2468
<211> 578
<212> DNA
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<223> Clone ID: uC-tsfl9316008c02b1

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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cgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
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aaataaagat tagattcagg ctcaaactga tagggaat 578

<210> 2469
<211> 575
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008c03b1

<400> 2469

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ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
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tcccaaccce aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300

actacatgag acactatctc tgcgttacg aacctaacac tttctaccaa gcttaatcgg 360
aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc taggttcggg 420
cttgggttaa ctgctctaata aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
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<210> 2470
<211> 595
<212> DNA
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<223> Clone ID: uC-tsfl9316008c04b1

<400> 2470

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tctttacaaa tcccaaaacc ttactagac tttttctgct tctttagctt acttcaccta 180
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ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
ttgggttaac tgctctaata aggagagtca gctacttggga ttaaaaagag tgatcaaaat 480
gaataagaaa atccaagtat tttacggtat ccatgagttc aaatttgatg cagacatgat 540
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<210> 2471
<211> 561
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008c05b1

<400> 2471

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cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180
 cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240
 acatcccaac ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact 300
 agaactacat gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360
 cggaataaga cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt 420
 gggtttgggt taactgctct aaaaggagag tcagctactt ggattaaaaa gagtgatcaa 480
 aatgaataag aaaatccacg tattttacgg tatccatgag ttcaaatttg atgcagacat 540
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<210> 2472
 <211> 612
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316008c07b1

<400> 2472

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 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aacccaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa 480
 taagaaaatc caagtanttt acggtatcca tgagttcaaa tttgatgcag acatgataat 540
 taaagattag attcaggttc aaattgatag ggaatggtat cagatcatga cagtgtggtc 600
 gagtagagca at 612

<210> 2473
 <211> 529
 <212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316008c08b1

<400> 2473

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tgagcagaca aagaaatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120
cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gtttcgccgt 300
gacctgcaa caggtggccc ctctgaagct gtccagccac agccgcagcg gcattgagat 360
cctcgtcctc gacgttgctc cccttcgct agacacggtg ttcgtcaacc tggagagcga 420
attgacaaaa cggttgaga gcggcgaggg caccttttac aaggaccatc cgacangccc 480
caatgccaag gacgttgcca acatgacgcc cgaggagcgt ctagccacg 529

<210> 2474

<211> 596

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008c09b1

<400> 2474

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ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
tcccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360
aataagacct cacaacact cacaagttat atagggttg aaagaaagtc taggtttggg 420
tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
tgaataagaa aatccaagta ttttacggtg tccatgagtt cacatttgat gcagacatga 540
taattaaaga ttagattcac gttcaaattg atagggaatg gtatcagaac atgaca 596

<210> 2477
 <211> 596
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008c12b1

<400> 2477

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 ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
 agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
 tcccaacca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
 actacatgag aactatctc tgctgttacg aacctaacac tttctaccaa gcttaatcgg 360
 aataagacct cacaacact cacaagttat atagggttg aaagaaagtc taggtttggg 420
 tttgggttaa ctgctctaata aaggagagtc agtacttgg attaaaaaga gtgatcaaaa 480
 tgaataagaa aatccaagta ttttacgta tccatgagtt caaatttgat gcagacatga 540
 taattaaaga ttagattcag gttcaaattg atagggaatg gtatcagatc atgaca 596

<210> 2478
 <211> 485
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d01b1

<400> 2478

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 attgcgccgc cgccggccgg acgcggccgt cctgcatcag ggacctggcc atccagccca 180
 cctccatcgt gaaggggctg ccatttaaca ggtactcatg gctggtgacc cataattcat 240
 tctccatcgt cggcgagccg tcacgcaccg gggttgagag ggtcacattc tacaaccagg 300
 aagacactgt caccaaccaa ctcaggaatg gagtgagggg attgatgctg gatatgtatg 360
 acttcggcgg ggaatgcctgg ctctgccact ccttgcaagg gcaatgctac aacttcactg 420

ctttcgaacc agcaattgac acgttgaaag aggtggaagc atttctatcc cagaatccca 480
cggag 485

<210> 2479
<211> 602
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d03b1

<400> 2479

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tctttctttt ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
ttaatcggaa taagacctca caaacactca caagttatat agggccttgaa agaaagtcta 420
ggtttgggtt tgggttaact gctctaataa ggagagtcag ctacttggtat taaaaagagt 480
gatcaaaatg aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc 540
agacatgata attaaagatt agattcaggc tcaaaatgat agggaatggt atcagatcat 600
ga 602

<210> 2480
<211> 564
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d04b1

<400> 2480

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attgcacttg agcagtcaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
tcaaagcgcc cagatcccaa tgacgagctc gttgacgatg tccaccacgt tgcagtcgcy 180
ccatggggcc cgaatgcgaa ccccgctcgac atggcctggt ccgttggtgcc ggtactgcga 240

tccggcgact tgtcccattc gaccatccag ttctcgccct cctcgtcggc gtttcatagc 300
 tttgccgtga ccctgcaaca ggtggcccct tcgaagctgt tcagccacag ccgcagcggc 360
 attgagatcc tcgtactcga cgttgctccc ctcccgctag acacggtgtt cgtcaacctg 420
 gagagcgaat tgacaaaacg gatggagagc ggcgagggca ctttttataa ggaccatccg 480
 acaagcccca atgccaagga cgttgccaac atgacgcccg aggagcgtct agccacggcg 540
 ctcatggcag ctctcagcac cctc 564

<210> 2481
 <211> 581
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d05b1

<400> 2481

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 tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
 gagtcttcta ctttttctta tcattgaatc aaccctttt ttttttctt ttaaacacat 240
 cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
 ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
 ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttga ttaaaaagag tgatcaaaat 480
 gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
 aattaaggat tagattcagg ttcaaattga tagggaatgg t 581

<210> 2482
 <211> 591
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d08b1

<400> 2482

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taaagtcaag ggcttttgcc catctccaat agctaacaag aactctttct tttctttaca 120
aattccaaaa cctttactag actttttctg cttcttttagc ttacttcacc tagagtcttc 180
taccttttct tatcattgaa tcaaccctt tttttattta ttttaaacac atcccaaccc 240
aaagtataag cgcccaccta gtgctatcta gtccgaaaaa tgcgaactag aactacatga 300
gacactatct ctgtcggttac gaacctaaca ctttctacca agcttaattg gaataagacc 360
tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg gtttgggtta 420
actgctctaa taaggagagt cagctacttg gattaaaaag agcgatcaaa atgaataaga 480
aaatccaagt attttacggt atgcatgagt tcaaagttga tgcagacatg attattaacg 540
attagattca ggttcaaatt gatagggaat ggtatcagat catgacagtg t 591

<210> 2483
<211> 567
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316008d09b1

<400> 2483

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taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120
tctttacaaa ttccaaaacc tttagtagac tttttctggt tcttttagctt acttcaccta 180
gagtgttcta ccttttctta tcattgaatc aaccctttt ttttttactt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt gctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtgggttacga acctaacact ttctaccaag ncttaattgg 360
aataagacct cacaacact cacaagttat atagggttg aaagaaagtc taggtttggg 420
tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcataa 480
tgaataagaa aatccaagta ttttacggt tgcagagtt caacattgat gcagacatga 540
taattaaaga ttagattcag gttcaaa 567

<210> 2484
<211> 477
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008d10b1

<400> 2484

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attgcatttg agcagacaaa gaaatgctgc tgctgttatt caacgagatc gattttaacc 120
tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatggggccc cgaatgcgaa ccccgctgac atggcctggt ccgttgtgcc ggtactgcga 240
tccggcgact tgtccattc gaccattcag ttctcgccct cctcgtaggt gtttcagagc 300
tttgccgtga cctgcaaca ggtggcccct tcgaagctgc ccagtcacag ccgcagcgga 360
ttgagatcct cgtcctcgac gttgcttccc tgtcgctaga cacggtgttc gttaacctgg 420
agagcgaatt gacaaaaccg ctggagagtc gctagggcac cttttacaag gaccatt 477

<210> 2485

<211> 514

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316008d12b1

<400> 2485

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ttgcatatga gcagacaaag aaatgctgct gctgctattc aacgagatcg attctaacct 120
caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgcg 180
catgggcccc gaatgcgaac ccgctcgaca tggcctggtc cgttgtgccg gtactgcat 240
ccggcgactt gtccattcg accatccagt tctcgccctc ctgctcggcg cttcagagct 300
tcgccgtgac cctgcaacag gtggcccctt cgaagctgtc cagccacagc cgcagtgga 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaaccg ctggagagcg gtgagggcac cttttacaag gaccatccga 480
cangcccaaa tgccaaggac gttgtcaaca tgac 514

<210> 2486

<211> 602

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e02b1

<400> 2486

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tctttctttt ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
ttaatcgga taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420
ggtttgggtt tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt 480
gatcaaaatg aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc 540
agacatgata attaaagatt agattcaggt tcaaattgat agggaatggg atcagatcat 600
ga 602

<210> 2487
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e03b1

<400> 2487

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ccccaacgac gagctcgctg acgaggtcca ccacgttgca gttgcgcat gggccccgct 180
tgcaacccc gtcgacatgg cctgggtcgt tgtgccggtg ctgcgatccg gcgacttgct 240
ccattcgacc atccagttct cgccctccta gtaggagctt aatagctctg ccggggacct 300
gcaacaggtg gcccttgga agctgttcag ccacaggctg agcgggattg agatcctcgt 360
cctcgacgtt gctacccttc cgctagacac agagttcgtc aacctggaga gcgaatcgac 420
aaaaccgctg gagagcggcg agggcacctt ttacaag 457

<210> 2488
 <211> 325
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e04b1

<400> 2488

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 aatttttcat gcacacctgc aaaggagctc atgagtaaaa aatgcttata taggagctat 120
 attcgctgca agttgaacgg agtgagtttg agaaccacat gggaaggaca catggatcct 180
 cacgtttatt gccggtgagc cgaggagtcc atgaccaggg gtgaatttgt tggccgctgt 240
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 ctggttgctt ttagccaggt tgatg 325

<210> 2489
 <211> 610
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e05b1

<400> 2489

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 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattcaggt tcaaattgat agggaatggt atcagatcat gacagtgtgg 600
 tcgagtagag 610

<210> 2490
 <211> 592
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e06b1

<400> 2490

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aaatcccaaa acccttacta gactttttct gcttcttttag cttacttcac ctagagtctt 180
ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca catcccaacc 240
caaagtataa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300
agacactatc tctgtcggtt cgaacctaac actttctacc aagcttaatc ggaataagac 360
ctcaciaaaca ctcacaagtt atatagggct tgaaagaaag tctaggggtg gggttggtt 420
aactgctcta ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag 480
agaatccaag tattctacgg tattcatgag ttcaaatttg atgcagacat gataattaa 540
gattagattc aggttcacat tgataggga tggtatcaga tcatgacagt gt 592
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<210> 2491
 <211> 458
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008e07b1

<400> 2491

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tctttacaaa tcccaaaacc ttactagac tttagctgct tcttttagctt acttcaccta 180
gaggcttcta ctttttctta tcattgaatc aaccctttt cttttttttt ttaaacacat 240
accacccac agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct ggtgttacga gcctaacact ttttaccaag cttaatggga 360
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458

<210> 2492
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008f01b1

<400> 2492

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taacatttta aagccaaggg cttttgccca tctccaataa ctaacaagaa ctctttcttt 120
tctttacata ttccataacc ttactagac tttgtccgct caatttagct tacttaacct 180
agagtcttgt accttttctt atgattgaat caacccttt ttttttttat tttaaacaca 240
tccaaccca atgtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
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aatatgacct cacaacact cacaagttat atagggctcg aaagaaagtc caagcttggg 420
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<210> 2493
<211> 559
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008f03b1

<400> 2493

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tctttctttt ctttacaat cccaaaacct ttactagact ttttctgggt ctctagctta 180
cttcacctag aggcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
taaacacatc ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
gaactagaac tacatgagac actatctctg tgggttacgaa cctaacactt tctaccaagc 360
ttaatcgga taagacctca caaacactca caagttatat agggcttgac agaaagtcta 420
ggctcggggt tgggttaact gctctacaaa ggagaggcag ctacttggat taaaacgagt 480

gatcaacatg aatgagaaaa tccaaggatt ttacggtatc catgagctca aatttgatgc 540
acacatgaca attaaagat 559

<210> 2494
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008f04b1

<400> 2494

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aggcaatgct gcagctgcga ttcaacggct g 91

<210> 2495
<211> 596
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008f06b1

<400> 2495

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taacatttta aagctcaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
ttctttacaa atccccaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
agaggcttct accttttctt atcattgaat caacccttt ttttttttct tttaaacaca 240
tcccaacca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gcttaatcgg 360
aataagacct cacaacact cacaagttat atagggttg aaagaaagtc taggtttggg 420
tttgggttaa ctgctctaat aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
tgaatacgaa aatccaagta ttttacggca tccatgagtt cacatttgat gcggacatga 540
taattaaaga ttaggatcag gttcaaattg atagggaatg ggttttagatc atgaca 596

<210> 2496
<211> 603
<212> DNA
<213> Triticum aestivum

<400> 2498

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agcgtgtaat gggccttggg cccattggca tctgggagga atgcacggga acgatgagct 120
gaacggccat ctccctactt gggatgatcaa ccatacagtg atggccctct gacggggacc 180
tacgaag 187

<210> 2499

<211> 431

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008f12b1

<400> 2499

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gtccgctcac tttggcttac ttaaggctct gcggtgtccc tgtttttatg agggggagaa 180
cctgtctaata gatgaattga aagcacatcc tacctcgatg ggtagagcaa ccacctcgtg 240
ctatctagtt cgcagagtgc aaacaagaac tgcattgatac acgttctctg ttgatagagg 300
ccttcgctga atacacggct aaattggaaa ttgacctcac atacactcac aagtgattgg 360
gggatcgatg gagagtctag gtttgggttc gtgtaactg atctaataat gagagggtggc 420
ttcttgatt a 431

<210> 2500

<211> 583

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008g02b1

<400> 2500

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tcctgttttt aacattttaa agccaagggc ttttgccat ctccaatagc taacaagaac 120
tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240

taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
ttaatcggaa taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420
ggtttgggtt tgggctaact gctctaataa ggagagtcag ctacttggat aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagatta gaatcagggtt caaattgata ggg 583

<210> 2501
<211> 557
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316008g04b1
<400> 2501

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tgagcatgtc aaagaaatgc tgctgctgct attcaacgag atcgattcta acctcaaagc 120
gccagatcc caatgacgag ctctgacgag atgtccacca cgttgcagtc gcgccatggg 180
ccccgaatgc gaaccccgtc gacatggcct ggtecggtgt gccggtactg cgatccggcg 240
acttgtccca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag agcttcgccc 300
tgaccctgca acaggtggcc ccttcgaagc tgttcagtca caggcgcagt ggcattgaga 360
tcctcgacct cgacgttgct ccccttccgc tagacacggt gtctgtcaac ctggagagcg 420
aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat acgacaagcc 480
ccaatgcaa ggacgttgcc aacatgacgc ccgaggagcg tctagccacg gcgctcacgg 540
cagttttcag caccctc 557

<210> 2502
<211> 538
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316008g05b1
<400> 2502

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 tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
 gagtcttcta ctttttctta tcattgaatc aacccctttt tttttttctt ttaaacacat 240
 cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
 ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
 ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaagagt gatcaaaatg 480
 aataagaaat ccaagatttt acggtatcca tgagttcaat ttgatgcaga catgataa 538

<210> 2503
 <211> 386
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008g06b1

<400> 2503

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 atgttcacga cgttgcagct tactcatgcg gcccgattg ccaactccct tatacttgga 180
 ctgaccggtt gtgccggtac tgtgaaccgg agactagtcc catgtgtcca tgcacatcta 240
 gtcctatgtg gtggcgataa agagatctag aacgacatga gacagggtggc ctgctcgta 300
 gtgcctaaca ctatgcgcca aggtgatgag aaattagacc tccacgctgc tcccatgttg 360
 tttgacagct gggatcaaag tcccgg 386

<210> 2504
 <211> 584
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008g07b1

<400> 2504

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caaatcccaa aacctttact agacttttgc tgctttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccacc 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt gggtttgggt 420
taactgctct aataaggaga gtcagctact tggattaaaa agagtgatcg aatgaataa 480
gagaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540
agattagatt caggttcaaa ttgataggga atggtatcag atca 584

<210> 2505
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008g08b1

<400> 2505

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attgcacttg agcagacaaa gaaatgctgc tgctgctatt caacgagatc gattctaacc 120
tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatggggccc cgaatgcgaa ccccgctcgac atggcctggt ccgttgtgcc ggtactgcga 240
tccggcgact tgtccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttccgctag acacgggtgtt cgtcaacctg 420
gagagcgaat tgacaaaacg gttggagagc ggcgaggga ccttttataa ggaccatccg 480
acaagcccaa tgccaggacg ttgccacatg acg 513

<210> 2506
<211> 527
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316008g09b1

<223> Clone ID: uC-tsfl9316008h02b1

<400> 2508

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ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
ttctttacaa atcccaaaac ctttactaga ctttttctgc ttatttagct tacttcacct 180
agagtcttct accttttctt atcattgaat caaccctttt tttttttttt tttaaacaca 240
tcccaaccca aagtataagc gcccacctag tcctatctag cccgaaaaat gcgaactaga 300
actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa gctcaatcgg 360
aataagacct cacaacact cacaagttat atagggcttg aaagaaagcc taggcttggg 420
tttcgggtaa ctgctccaaa aaggagagtc agctccctgg attaaaaaga 470

<210> 2509

<211> 604

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008h03b1

<400> 2509

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ggttcctggt tttaacattt taaagccaag ggcttttgcc catctccaat agctaacaag 120
aactctttct tttctttaca aatcccaaaa ctttactag actttttctg cttcttttagc 180
ttacttcacc tagagtcttc taccttttct tatcattgaa tcaaccctt ttttttttct 240
ttttaaacac atcccaaccc aaagtataag cgccaccta gtctatcta gtccgaaaaa 300
tgcaactag aactacatga gacactatct ctgctgttac gaacctaaca ctttctacca 360
agcttaatcg gaataagacc tcacaaacac tcacaagtta tatagggctt gaaagaaagt 420
ctaggcttgg gtttgggtta actgctctaa aaggagagtc agctacttgg attaaaaaga 480
gtgatcaaaa tgaataagaa aatccaagta ttttacggta tccatgagtt cacatttgat 540
gcagacatga taattaaaga ttagattcag gttcaactg atagggaatg gtatcagatc 600
atga 604

<210> 2510

<211> 600
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008h04b1

<400> 2510

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tttttaacat tttaaagcca agggcttttg cccatctcca atagctaaca agaactcttt 120
cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180
cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240
acatcccaac ccaaagtata agcgcccacc tagtctatc tagtccgaaa aatgcgaact 300
agaactacat gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360
cggaataaga cctcaciaac actcacaagt tatatagggc ttgaaagaaa gtctaggttt 420
gggtttgggt taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca 480
aaatgaataa gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca 540
tgataattaa agattagatt cagggttcaaa ttgataggga atggtataga tcatgacagt 600

<210> 2511
<211> 495
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316008h05b1

<400> 2511

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tttaacattt taaagccaag ggcttttgcc catctccaat agctaacaag aactctttct 120
tttctttaca aatccccaaa cttttactag actttttctg cttcttttagc ttacttcacc 180
tagagtcttc taccttttct tatcattgaa tcaaccctt tttttttttc ttttaaacac 240
atcccaaccc aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgcgaactag 300
aactacatga gacactatct ctgtcgttac gaacctaaac ctttctacca agcttaatcg 360
gaataagacc tcacanacac tcacaagtta tatagggtt gaaagaagtc taggggtggg 420
gttgggttaa ctgctctaat aaggagagtc agctactggg attaaaaaga gtgatcaaaa 480

tgaataagaa aatcc

495

<210> 2512
<211> 595
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008h06b1

<400> 2512

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ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga actctttctt 120
ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct tacttcacct 180
agagtcttct accttttctt atcattgaat caaccctttt ttttttttct tttaaacaca 240
tccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat gcgaactaga 300
actacatgag aactatctc tgctgttacg aacctaacac tttctaccaa gcttaatcgg 360
aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc taggtttggg 420
tttgggttaa ctgctctaata aaggagagtc agctacttgg attaaaaaga gtgatcaaaa 480
tgaataagaa aatccaagta ttttacggtt tccatgagtt caaatttgat gcagacatga 540
taattaaaga ttagattcag gttcaaattg atagggaatg gtatcagatc atgac 595

<210> 2513
<211> 595
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316008h08b1

<400> 2513

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tctttacaaa tcccaaaacc tttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta ccttttctta tcattgaatc aaccctttt ttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300

ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
 ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttggga ttaaaaagag tgatcaaaat 480
 gaataagaca atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
 aattaacgat tagattcagg gtcaaatnga taggggatgg tatcagatca tgaca 595

<210> 2514
 <211> 458
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316008h12b1

<400> 2514

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 actagacgtt tcttgcttca atagcttaca taacctacag cctcctacct tgtcttatca 180
 tegactcaac cctttttttt ttattgcttg aaccacatcc cagcctaaag tatcagcccc 240
 cccttagtcc tatgctagtc cgcaaatgc taactagaac tacatgagac actctctatg 300
 tggttacgaa cctaacta tctaccaagc ttaatgggaa taagacctct caaacactca 360
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 gagagtcgct acttggaact aaaagagcga cctaaatg 458

<210> 2515
 <211> 487
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009a08b1

<400> 2515

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 ttttctttac aaatcccaa acctttacta gactttgtct gcttctttag cttacttcac 180
 ctagagtctt ctaccttttc ttatcattga atcaaccct tttttttttt cttttaaaca 240

catcccaacc caatgtataa tgcgcccacc tagtcctatc tagtccgaaa aatgcgaact 300
 agaactacat gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360
 cggaataaga cctcacaac actcacaagt tatatagggc ttgaaagaaa gtctaggttc 420
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 aaatgaa 487

<210> 2516
 <211> 516
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b07b1

<400> 2516

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 aacctcaaag cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgcaagt 180
 cgcgccatgg gccccgaatg cgaaccccggt cgacatggcc tggtcggttg tgccggtact 240
 gcgatccggc gacttgctcc attcgaccat ccagttctcg cctcctcgt cggcgcttca 300
 gagcttcgcc gtgacctgc aacaggtggc cccttcgaag ctgtccagcc acagccgcag 360
 cggcattgag atcctcgtcc tcgacgttgc tccccttcg ctagacacgg tgtttcgtca 420
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 atccgacatg cccaatgccg ggacgttgcc acatga 516

<210> 2517
 <211> 423
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b08b1

<400> 2517

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 cttgagctta caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag 120
 cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgcaagt cgcgccatgg 180

gccccgaatg cgaaccccggt cgaçatggcc tggctcgttg tgccggtact gcgatccggc 240
 gacttgcccc attcgaccat ccagttctcg ccctcctcgt cggcgcttca gagctttgcc 300
 gtgaccctgc aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcatttgg 360
 atcctcggtc tcgacgttgc ttccccctcc gcttgacacg gttgttcgtc aacctggaga 420
 gcg 423

<210> 2518
 <211> 543
 <212> DNA
 <213> *Triticum aestivum*

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316009b10b1

<400> 2518

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 ccagacttaa ttaatgcaat gtcgacatta ctctcagac tgcccttctc acgaaggatg 180
 gaggtagagg cagatcacat cgggctcatg cttcaagcat ctgctggttt tgaccacgc 240
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 agctacctct ctactcatcc ttcgagtaag aagcgatcgg agctcttgtc tcgagccaag 360
 gtaatggagg aggcgatgca gctatacagg gaagcttgcg ccggccacgg gaccgaaggt 420
 ttctcttaag gttgcagttt cgaactctcc tgcgtgcggc gtaagtcggt tgggtggcgga 480
 ggggtgcctgg cgccgaaaca tgcccccttg tgnctgcaca gtgacggcca ataagaagag 540
 tgt 543

<210> 2519
 <211> 493
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316009b11b1

<400> 2519

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 ggcattgcac ttgagctgac aaagaaatgc tgctgctgct attcaacgag atcgattcta 120

acctcaaagc gccagatcc caatgacgag ctcgtcgacg atgtccacca cgttgacgtc 180
 gcgccatggg ccccgaaatgc gaaccccgtc gacatggcct ggtccggttg gccgggtactg 240
 cgatccggcg acttgtecca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag 300
 agcttcgccg cgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc 360
 ggcattgaga tctcgtcct cgacgttgct ccccttcgc tagacacggg gttcgtcaac 420
 ctggagagcg aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat 480
 ccgacaagcc cca 493

<210> 2520
 <211> 605
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009b12b1

<400> 2520

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 ctctttcttt tctttacaaa tcccaaaacc ttactagac tttttctgct tctttagctt 180
 acttcaccta gagtcttcta ccttttctta tcattgaatc aaccctttt ttttttctt 240
 ttaaacacat cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg 300
 cgaactagaa ctacatgaga cactatctct gtcgttacga acctaact tctaccaag 360
 cttaatcgga ataagacctc acaaactc acaagttata tagggcttga aagaaagtct 420
 aggtttgggt ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag 480
 tgatcaaaat gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg 540
 cagacatgat aattaaagat tagattcagg ttcaaattga tagggaatgg tatcagatca 600
 tgaca 605

<210> 2521
 <211> 502
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c09b1

<400> 2521

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gctttcaaag aaatgctgct gctgctattc aaggagatcg attttaacct caaagcgccc 120

agacccaac gacgagcttg tctacgatgt ccaccacgtt gctgtagctc catgggcccc 180

gaatgcgaac ccctgttaca tggcctggcc cgttgtgccg gtactgcat cgggcgactt 240

gccccattcg accatccagt tctcgccctc ctagtcggtg ctttaagagat ctgccgcgac 300

cctgcaacat gtggccccctt cgaagatgct cagccacagc cgcaggggga ttgagatcct 360

ggctctcgac acatgttccc ttctgctaga cacggagttc gtcaacctgg ttagcgaatt 420

gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccgt caagcccca 480

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<211> 528

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009c10b1

<400> 2522

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cggcattgca cttgagctga caaagaaatg ctgttgctgc tattcaacga gatcgattct 120

aacctcaaag cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgagct 180

cgcgccatgg gccccgaatg cgaaccccggt cgacatggcc tgggtccgttg tgccggtact 240

gcgatccggc gacttgtccc attcgacct ccagttctcg cctctctcgt cggcgcttca 300

gagcttcgcc gtgaccctgc aacaggtggc ccttcgaag atgttcagcc acagccgcag 360

cggcattgag atcctcgtcc tcgacgttgc tccccttcg ctagacacgg tggtcgtcaa 420

cctggagagc gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggacca 480

tccgacaagc cccaatgcca aggacgtttg ccacatgacg cccgagga 528

<210> 2523

<211> 561

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d11b1

<400> 2523

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catgagctga caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag 120
cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgacgt cgcgccatgg 180
gccccgaatg cgaaccccggt cgacatggcc tggcccgttg tgccggtact gcgatccggc 240
gacttgctcc attcgaccat ccagttctcg ccctcctcgt cggcgcttca gagcttcgcc 300
gtgacctgac aacaggtggc cccttcgaag ctgtccagcc acagccgcag cggcattgag 360
atcctcgtcc tcgacgttgc tcccccttcg ctagacacgg tggtcgtcaa cctggagagc 420
gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggacca tccgacaagc 480
cccaatgcca aggacgttgc caacatgacg cccgaggagc gtctagccac ggcgctcatg 540
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<210> 2524

<211> 525

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009d12b1

<400> 2524

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tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatgggccc cgaatgcgaa ccccgtcgac atggcctggt ccgttggtgcc ggtactgcga 240
tccggcgact tgtcccatc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
ttcgccgtga ccctgcaaca ggtggcccct tcgaagctgt ccagccacag ccgcagcggc 360
attgagatcc tcgtcctcga cgttgctccc cttccgctag acacggtgtt cgtcaacctg 420
gagagcgaat tgacaaaacg gctggagagc ggcgagggca ccttttacat ggaccatccg 480
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<210> 2525
 <211> 462
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e09b1

<400> 2525

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aaattccata accttgacta gactttgtct gtcatttag cttacttaag ctagagtctt 180
gtaccttttc ttatgattga atcaaccctt cttttttttt attttaaaca catcccaacc 240
caatgtataa gcgcccacct agtgctatct agtccgaaaa atgcgaacta gaactacatg 300
agacactatc tctgtctgta cgaacctaac actttctacc aggcttaatt ggaatatgac 360
ctcacatata ctcaaggtt atttagggct cgcaagaaag accaagcttg ggcttgggct 420
aaccgctcta ataatgagag tcagctgctt ggattaaaaa ga 462
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<210> 2526
 <211> 536
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009e10b1

<400> 2526

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acggcattgc acttgagcag acaaagaaat gctgctgctg ctattcaacg agatcgattc 120
taacctcaaa gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgcag 180
tcgcgccatg ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac 240
tgcgatccgg cgacttgtcc cattcgacca tccagttctc gccctcctcg tcggcgcttc 300
agagcttcgc cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca 360
gcggcattga gatcctcgtc ctcgacgttg ctccccctcc gctagacacg gtgttcgtca 420
acctggagag cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc 480
atccgacaag cccaatgcc aaggacgttg ccaacatgac gcccgaggag cgtcta 536
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<210> 2527
 <211> 494
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009f08b1

<400> 2527

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tttttaacat tttaaagcca agggcctttt cccatctcca atagctaaca agaactcttt  120
cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca  180
cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac  240
acatcccaac ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact  300
agaactacat gagacactat ctctgtcggt acgaacctaa cactttctac caagcttaat  360
cggaataaga cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctaggggc  420
gggtttgggc taactgctct aataaggaga gtcagctact tggattaaaa agagtgatca  480
aatgaataa gaaa                                     494
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<210> 2528
 <211> 540
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009f11b1

<400> 2528

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taacatttta aagccaaggg cttttgcca tctccaatag ctaacaagaa ctctttcttt  120
tctttacaaa tcccaaaacc ttactagac tttttctgct tctttagctt acttcaccta  180
gagtcttcta ctttttctta tcattgaatc aaccctttt tttttttctt ttaaacacat  240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa  300
ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga  360
ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt  420
tcgggttaac tgctctaact aggagagtca gctacttga ttaaaaagag tgatcaaaat  480
gaataagata atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat  540
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<210> 2529
 <211> 378
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316009f12b1
 <400> 2529

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 ggggctctag cccaccgtca agagttgggc gatgaccacc acggtgaaat ggccttggg 180
 ccccataagg ctaactcgga ggacatgcac tggaacgatg agctgatctg ccatctccgg 240
 tacttgcca tacaaccata cagtgatggc cctcctactg ggaccttcaa agatctggcg 300
 ctaccctgga acaagctgac cgttgagagt tgtgcaacca cagcctaagc ttggaactgg 360
 atcctcgttc acaacggt 378

<210> 2530
 <211> 526
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316009g07b1
 <400> 2530

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 acggcattgc acttgagcag acaaagaaat gctgctgctg ctattcaacg agatcgattc 120
 taacctcaaa gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg 180
 tcgcgccatg ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccggtac 240
 tgcatccgg cgacttgtec cattcgacca tccagttctc gccctcctcg tcggcgcttc 300
 agagcttagc cgtgacctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca 360
 gcggcattga gatcctcgtc ctcgacgttg ctcccccttc gctagacacg gcgttcgtca 420
 acctggagag cgaactgaca aaacggctgg agagctgcga gggcaccttt tacaaggacc 480
 atccgacaag cccaatgcc aaggacgttg ccaacatgac gcccca 526

<210> 2531
 <211> 203
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316009g09b1

 <400> 2531

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 tccctacaaa caacaacacg tgtactagct tgtctctgct ctttttagatt acttcaccta 120
 gacgtcttct acctttcctt atgacttgaa tcacccccgt tttttctttt cttgtaaaca 180
 catatccaac ccatatttaa taa 203

<210> 2532
 <211> 606
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316009g12b1

 <400> 2532

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 gttcctgttt ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga 120
 actctttctt ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct 180
 tacttcacct agagtcttct accttttctt atcattgaat caaccccttt ttttttttct 240
 tttaaacaca tccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat 300
 gcgaactaga actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa 360
 gcttaatcgg aataagacct cacaacact cacaagttat atagggcttg aaagaaagtc 420
 taggtttggg tttgggttaa ctgctcta ataggagagtc agctacttgg attaaaaaga 480
 gtgatcaaaa tgaataagaa aatccaagta ttttacggta tccatgagtt caaatttgat 540
 gcagacatga taattaaaga ttagattcag gttcaaattg ataggggaatg gcatcagatc 600
 atgaca 606

<210> 2533
 <211> 541
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h07b1

<400> 2533

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aacctcaaag cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgca 180
cgcgccatgg gccccgaatg cgaaccccg tgcacatggcc tgggtccgttg tgccggtact 240
gcgatccggc gacttggtccc attcgaccat ccagttctcg ccctcctcgt gggcgcttca 300
gagcttcgcc gtgacctgc aacaggtggc cccttcgaag ctgtccagcc acagccgcag 360
cggcattgag atcctcgtcc tgcacgttgc tccccttacg ctagacacgg tggtcgtcaa 420
cctggagagc gaattgacaa aacggctgga gagcggcgag ggcacctttt acaaggacca 480
ttcgacaagc cccaatgcc aaggacgttgc caacatgacg cccgaggagc gtctagccac 540
g 541

<210> 2534

<211> 596

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h08b1

<400> 2534

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ttttctttac aaatcccaaa acctttacta gactttttct gcttcttttag cttacttcac 180
ctagagtctt ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca 240
catccaacc caaagtataa ggcgccacct agtcctatct agtccgaaa atgcgaacta 300
gaactacatg agacactatc tctgtcgta cgaacctaac actttctacc aagcttaatc 360
ggaataagac ctcaaaaca ctcaagtt atatagggt tgaaagaaag tctagggttcg 420
ggtttgggtt aactgctcta ataaggagag tcagctactt ggattaaaa gagtgatcaa 480
aatgaataag aaaatccaag tattttacgg tatccatgag ttcaaatttg atgcagacat 540
gataattaa gattagattc aggttcacac tgataggga tggtatcaga tcatga 596

<210> 2535
 <211> 466
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316009h09b1

<400> 2535

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 cgtccgccgt cggcctcgcc ggaccaggtg ccgcggacgt gctgccgttc gttgaggcgg 180
 acctgaagcg aagctcgctg cgcgtcatcg acaaggccaa ggagctctgc gcgcaggtga 240
 gtgatgctgt ctttgaagtg gcggagggng gatgccagga acgtcctctg cgaggcggga 300
 gaaaggcatc acgcacagat gttggttggt ggcaaccatg gctatggagc aatcaaaagg 360
 gctgttcttg gaagtgtgag cgattactgc acccaccacg cgcactgcac cgtgatgggt 420
 gtgaagaaac caaagcacia gcactgagca atgcccagcc ttgact 466

<210> 2536
 <211> 529
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h10b1

<400> 2536

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 taacctcaaa gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg 180
 tcgcgccatg ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccgggtac 240
 tgcgatccgg cgacttgtec cattcgacca tccagttctc gccctcctcg tcggcgcttc 300
 agagcttcgc cgcgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca 360
 gcggcattga gatcctcgtc ctcgacgttg ctccccctcc gctagacacg gtgttcgtca 420
 acctggagag cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc 480

atccgacaag cccaatgcc aaggacgttg ccaacatgac gcccgagga

529

<210> 2537
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h11b1

<400> 2537

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ccgccgccgc cgccgagccg gccggcgagg ccaagccggc tgcggcagcc gcgtcgccgg 180
cgccaagaa gatcctcaag aagaagccc tctactccat gaagaaagga cagatcgtgc 240
gagtcgagaa agagaagtac ctgaacagca tcaattacct gtcagtgggg caccaccct 300
tctacaagg gctagactac atatacgaag accgtggcga ggttttggac atcagaatct 360
tcgaagaaac cggagagtat gctctgatcg cgtgggtagg gattccaaca ccaccagcat 420
ggcttccaac ttatatgctc atcaagtcag acaaactcga ctatgagagg atatgatcgc 480
cggatgagag actgcgaggg agaacaatgt ttgtgcata 519

<210> 2538
<211> 603
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316009h12b1

<400> 2538

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ttctgtttt taacatttta aagccaagg cttttgccca tctccaatag ctaacaagaa 120
ctttttcttt tctttacaaa tcccaaaacc tttactagac tttttctgct tcttttagctt 180
acttcaccta gagtcttcta ccttttctta tcattgaatc aaccctttt ttttttctt 240
ttaaacacat cccaaccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg 300
cgaactagaa ctacatgaga cactatctct gtcgttacga acctaact ttctaccaag 360
cttaatcgga ataagacctc acaaactc acaagttata tagggcttga aagaaagtct 420

aggttcgggt ttgggctaac tgctctaata aggagagtca gctacttgga ttaaaaagag 480
 tgatcaaaat gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg 540
 cagacatgat aattaaagat tagattcagg ctcaaattga cagggaatgg tatcagatca 600
 tga 603

<210> 2539
 <211> 573
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011a03b1

<400> 2539

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 acatgagcag acaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa 120
 gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgagc tcgcgccatg 180
 ggccccgaat gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg 240
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 cgtgaccctg caacagggtg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360
 gatcctcgtc ctgcacgttg ccccccttc gctagacacg gtgttcgtca acctggagag 420
 cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
 cccaatgcc aaggacgttg ccaacatgac gcccgaggag cgtctagcca cggcgctcag 540
 ggcagctctc agcaccctca agattgtcca ttc 573

<210> 2540
 <211> 606
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011a04b1

<400> 2540

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 acaaatecca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

tgctaccttg tcttatcatt gaatcaaccc ctgttttttt ttctttttaa cacatgccag 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagctcaa tcggaataag 360
 acctcacata cactcacaag ttatataggg ctagaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac tcggattaaa aagagtgatc aaagtgaata 480
 agaaaatcca agtactttac ggtatccatg agttcagatt tgatgcacac atgacaatta 540
 aagattcgat caggttcaaa ttgataggga atggtatcag atcatgccag tgtggcgagt 600
 agagca 606

<210> 2541
 <211> 666
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316011a06b1
 <400> 2541

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 acaaatcca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat caggttcaaa ttgataggga atggtatcag atcatgaaa gtgtggcgag 600
 tagagcaatc taagcttggg cagttttttt ttttttaaatt tcattgctat gcacagacac 660
 tagcac 666

<210> 2542
 <211> 381
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011a07b1

<400> 2542

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aaaaccttta ctagactctt tctgcttctt tagcttactt tacctagagt ctggtacctt  180
ttcttatcat tgaatcaacc cttttttttt tgtcttatag acacatccca acccaaagta  240
taagcgccca cctagcccta tctagtccga aaaatgcgaa ctagaactac atgagacact  300
gtgtctgtgg tacgaaccta acactttgta ccaaagctaa tcggaattag acctgacaaa  360
cactcacaag ttatataggg c                                     381
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<210> 2543

<211> 537

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011a10b1

<400> 2543

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ttttaagcc aagggctttt gcccatctcc aatagctaac aagaactctt tcttttcttt  120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc  180
ttctaccttt tcttatcatt gaatcaacce cttttttttt ttcttttaaa cacatcccaa  240
cccaaagtat aagcgcccac ctagtccat ctagtccgaa aaatgcgaac tagaactaca  300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag  360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg  420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata  480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataa   537
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<210> 2544

<211> 516

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011a12b1

<400> 2544

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
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<210> 2545

<211> 560

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011b01b1

<400> 2545

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cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
cttgtcccat tcgaccatcc agttctcgcc ctctcgtcg gcgcttcaga gcttcgccgt 300
gacctgcaa caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat 360
cctcgctctc gacgttgctc cccttcgct agacacggtg ttcgtcaacc tggagagcga 420
attgacaaaa cggctggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480
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<210> 2546

<211> 564
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316011b03b1

 <400> 2546

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 gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg tcgcgccatg 180
 ggccccgaat gcgaaccccc tgcacatggc ctgggtccgtt gtgccggtac tgcgatccgg 240
 cgacttgtec cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300
 cgtgaccctg caacagggtg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360
 gatectcgtc ctgcacgttg ctcccccttc gctagacacg gtgttcgtca acctggagag 420
 cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
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 ggcagctctc agcacccctca agat 564

<210> 2547
 <211> 638
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316011b04b1

 <400> 2547

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 tctttacaaa tcccaaaacc ttactagac tttttctgct tctttagctt acttcaccta 180
 gagtcttcta ctttttctta tcattgaatc aaccctttt ttttttctt ttaaacacat 240
 cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
 ctacatgaga cactatctct gtcgttacga acctaactt ttctaccaag cttaatcgga 360
 ataagacctc acaaactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttga ttaaaaagag tgatcaaaat 480

tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaaagt 240
 ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta catgagacac 300
 tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctgaca 360
 aacactcaca agttatâtag ggcttgaaag aaagtctagg tttgggttcg ggtaactgc 420
 tctaataagg agagtcagct acttgatta aaaagagtga tcaaaatgaa taagaaaatc 480
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<210> 2550
 <211> 301
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011b09b1

<400> 2550

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 acctacttta cgtcattgcc ctgagtgtaa cgttctgaga cgtgtcccag tttgtgcttc 180
 cggattctgt tagggttggc gttggccaag gagtctcggg gagtgggtgtg tataaagtaa 240
 gaatgccatt aggaccgtgt atgccgggtcc caactgttaa cttgaaagat accaagcaga 300
 c 301

<210> 2551
 <211> 387
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011b11b1

<400> 2551

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 gctttccagc atttagtact ttggctgatg ggctcgctg cagcagcagc agcagcagct 180
 gagttcactc gggaaactgt tcgccggccg cttatatgga tattttgaatg ctaattgtcg 240

ggcgctaacc ccaagggcaa cccaccaagg cccacccctg gggcaaacgc atattgcgac 300
gatggggcgg ggaagtgcac atcgaagctt atctttatct cgtaccagg cactcctgat 360
gccctattca cgccgtgccc cccgaag 387

<210> 2552
<211> 593
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011b12b1

<400> 2552

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt tttttctttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
attaaagatt agattcaggt tcaaattgat agggaatggt atcagatcat gac 593

<210> 2553
<211> 536
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011c01b1

<400> 2553

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catgagcttt caaagaaatg ctgctggtgc tattcaacgt gatcgattct aacctcaaag 120
cgcccagatc ccaatgacga gctcgccgac gatgtccacc acgttgacagt tagcgccatg 180
ggccccgaat gcgaaccccg tcgacatggt ctgggtccgct gtgccggtac tgcgatccgg 240

agacttgatcc cattcgacca tacagttctc gccctcctcg tcggagcttc agagcttcgc 300
 cgtgaccctg catcaggtgg tcccttcgaa gctgtccagc cacagccgta gtggcattga 360
 gatcctagta ctagacgttg ctccccctcc gctagacacg gtgttcgtca acctggagag 420
 cgaattgaca aaacggctgg agagcagcga gggcaccttt tacatggacc atacgacaag 480
 ctccaatgcc aaggacgttg tccacatgac gcccgaggag cgttttagcca cagtgc 536

<210> 2554
 <211> 394
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011c02b1

<400> 2554

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 tcacctagag tctcagtacc tagtcgttat ggatcagaat gcaactccct ggttgatatt 180
 cttttcaaac acatccgata tcaaagtata cagcacaat tagtgctatt tcggacgaaa 240
 tgtgctaact gtagtccat gagacactgt ctatgtcatt acgctcctgt cacttcatac 300
 caagggttat cgcaatacga tctaaactga ctctctaggt atccacggct cgcaagagag 360
 tgctagattg ggtccgggtt aactggtctc atga 394

<210> 2555
 <211> 489
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011c03b1

<400> 2555

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 aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
 ggcgacttgt gccattcgac cattcagttc tcgcccttct cgtcggcgct tcagagcttc 300

gccgtgaccc tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg ttctcgacgt tgctcccctt cccatagaca cgggtgttcgt caacctggag 420
agcgaatcga caaacgggt ggagagcgtg aagggcacct ttacatgga ccatacgaca 480
aggcccaat 489

<210> 2556
<211> 525
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c04b1
<400> 2556

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gcgcccagat cccaatgacg agctcgtgga caatgtccac caggttgcaa tcgcgccatg 180
ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccgggtac tgcgatccgg 240
cgacttgtcc cattcgacca tccagttctc gccctcctcg tggggcgcttc agagcttcgc 300
cgtgaccctg caacaggtgg tcccttcgaa gctgttcagc cacagccgca gcggcattga 360
gatcctcgtg ctagacgttg ctccccttcc gctagacacg gtgttcgtca acctggagag 420
cgaactgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc attcgacaag 480
ccccaatgcc aaggacgttg cccacatgac gcccgaagag cgtct 525

<210> 2557
<211> 558
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c05b1
<400> 2557

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gcgcccagat cccaatgacg agctcgtcga cgatgtccac caggttgagc tcgcgccatg 180
ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccgggtac tgcgatccgg 240

cgacttgctc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300
cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360
gatcctcgtc ctcgacgttg ctcccccttc gctagacacg gtgttcgtca acctggagag 420
cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
ccccaatgcc aaggacgttg ccaacatgac gcccgaggag cgtctagcca cggcgctcag 540
ggcagctctc agcacctc 558

<210> 2558
<211> 364
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c07b1
<400> 2558

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gatgatcctc ttccaccccg accgttggtg cactcgcaac aaagagggtga ttccacaggc 120
ttatagcgcc cagtatctac tatcaagagg ttatcaatat ccaccacgac agagttgtcc 180
atggaccccc taggggctcc ccggcgccat agactggacc aaaatgccca atctgccagg 240
acaggacttg agcccttgaa gcacacattc atctccatct ttacaaacct taaacagatt 300
ctaggcgctc ctatgtcaag cgtgccgttc ctaacttgct ataaccatgc gcagcgtggt 360
tata 364

<210> 2559
<211> 517
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c08b1
<400> 2559

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cccaatgacg agctcgtcga cgatgtccac cacgttgacg tcgcgccatg ggccccgaat 180
gcgaaccccg tcgacatggc ctggtccgct gcgccggtac tgcgatccgg cgacttgccc 240

cattcgagca tccagttctc gcctgtctt tcggcgcttc agagctgcgc cgtgaccctg 300
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tgaacgttgc tccccctccg atagacacgg tgttcgtcaa cctggagagc gaattgacaa 420
agcggctgga gagcgggtgag ggcacctttt acaaggacca tccgacaagc cccaatgcca 480
aggacgttgc ccacatgacg cccgaggagc gtctagc 517

<210> 2560
<211> 458
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c09b1
<400> 2560

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aatgacgagc tcgcctacta tgttcaccac cttgcactcg cgccatgagc gcccaatgcg 180
aaccccgctc acatggcctg gtacgctgtg ccagtactga gatccgggga cttgtcccat 240
tcgaccatcc aaatatcgcc ctctcggtg gcgcttcaga gcttcaacga gaccctgcca 300
caggtggccc cttcagaagc tgtgcagaca cagacgacac gaggtcgaga tcctggctct 360
ggacgttgct ccccttccgc tagacacgga gttcgctaac ctggagagcg aattgacaaa 420
tcggctggag agcggctagg gcaccttgta caatgacc 458

<210> 2561
<211> 460
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011c10b1
<400> 2561

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cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcaggcg cgccatgggc 180
cccgaatgag aaccccgctc acatggcctg ggccgttggtg ccggtactgc gatccggcga 240

cttgtcccat tgcaccatgc aagatctcgc cctcctcgcc ggcgctttag agcttcggcg 300
cgaccctgca acaggtggcc ccttcgaagc tgttcagcca cagcccgagc ggtattgaga 360
tcctggtcct cgacgttggt ccccttcgc tagacacggt gttggtcaac ctggagagcg 420
aattgacaaa actgctggag agcggcgagg gcacctttta 460

<210> 2562
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011c11b1

<400> 2562

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acaaatccca gcacctttac tagactttat atgattcttt cggtcacttg acctagagac 180
tgctaccttt tcttatcatt gaatcaacc cgagttcttt ttcttttaaa cacatgccaa 240
cccaaagtat aagcgccac ctagtctat ctagtctaa aaatgcgaac tagagctaca 300
tgagactcta tctctgtcgt tacgagccta acactgtcta ccaagcttaa tcggactaag 360
accgcacaag cactcacaag ttatataggg 390

<210> 2563
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011d01b1

<400> 2563

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agatgagctg acatggaaaa gctgggggtg ctatcccatg 100

<210> 2564
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011d02b1

<400> 2564

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ggaacgctga gtggtatgtg tggatttcac ggcgagagat taccggcagg cccaactgct 180

gttgctgtgc gttcagcggc tccgatctac cagactgtcc gtaaccaata tacaagcttg 240

tgtacgtgtt ggtcaacctt gtgctgggc 269

<210> 2565

<211> 603

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316011d03b1

<400> 2565

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tcctatcaca cagggttatca tagagccatt caaacagaga ttctgaaaag aacccttgct 180

gcctccttcg cggcacaaat ctgacccaaa tcccccaattg agctggacag tctctaagca 240

cgtgaagcac agattcaact ccacctttac aaacctgaga cacattcgag gcgctaagat 300

gtcttcgatg ccgttcctca tctgtcataa ctatgtccag tttgggtata tatattttct 360

gactatactt atatttatat atatttttcc taaatataac tattactttg gattatttgt 420

taaacatgtg catggattta actcaatctc aataaatgct tcttagtctt gtgactcttt 480

atcataattt ggtggtgaat aaatgtttta ttaccattg taaaaaaaaa aactgaaaat 540

ttgcgtaaat cattgagctc ttcttttttt tatttttgact gttggcaacg tttctaata 600

tat 603

<210> 2566

<211> 554

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316011d05b1

<400> 2566

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 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctgtgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggtttggg 420
 taactgctct aataaggaga gtccgtactt tggattaaaa agagtgatct aaatgaagaa 480
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 agattagatt cagg 554

<210> 2567
 <211> 632
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316011d06b1
 <400> 2567

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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
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 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcaciaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtggttttac ggtatccatg agttcaaatt tgatgcagac atgataatta 540
 aagattagat tcagggttcan attgataggg aatgggatca gatcatgaca gtgtgggtcga 600
 gtagagcaat ctaagcaagg tcaatttttt tt 632

<210> 2568
 <211> 474
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011d08b1

<400> 2568

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tattccaaaa cccttactag actttgtccg ctctcttagc ttacttcacc tagagtcttc  180
tacctgttct tatcattgag taaaccctc tttttattta ttttaaacac atcccacccc  240
agctgtatga gcgcccacct actcctatct attccgaaga aagcgaacta agactacatg  300
cgacactatc tctgtctgta cgaacctaac actttctacc agagcttaat ctgaataaga  360
ccgtccatac actcacaagt tatatagggc ttgaaagaaa gtctaagctt ggggtgtgggt  420
taaccgctct catatgagag tcagctactt ggattaaaaa gaggatcaa aatg         474

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<210> 2569
 <211> 497
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011d09b1

<400> 2569

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aatcccaaaa cctttactag accttttctg cttcttttagc ttacttcacc tagagtcttc  180
tacctttttt tatcattgaa tcaaccctt ttttttttct ttttaaacac attccaaccc  240
aaagtataag cgcccaccta gtcctatcta gtccgaaaaa tgccaactag aactacatga  300
gacactatct ctgtcgttac taacctaaaca ctttctacca agcttaatcg gaataagacc  360
tcacaaacac tcacaagtta tatagggctt gaaagaaagt ctaggtttgg gtttgggtta  420
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aaatccaagt attttac                                     497

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<210> 2570
 <211> 285
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316011d10b1

 <400> 2570

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 gtcgggtacc ttaacttatac attgagggaa cccctttttt atttttcttt gaagcacatc 180
 ccaacccaaa gcctgagcga ccacctaggc ctatctagtc cgtaaaatgc gaactagaac 240
 tacatgagac actatctctg acggtactaa cctaactctc tctac 285

<210> 2571
 <211> 485
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316011d11b1

 <400> 2571

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 cccatattgc aatgacgaga tcctgaacaa tgtgcaccac gacagctggg ctcaaagtgc 180
 ccctaattgc aaccgggttg tcttgggctg agcccatgag ccaagactga cagactgcga 240
 ctcttcccat tctagcataa caatttaacc ctgatggtag gctcttcaga gcttaaagaa 300
 tgacctgtgc ctactgtgc ccttctagc tgaggagctt catgaccga ggcattgaga 360
 tgctactggt cgacgttgct ccacttcgc tagacacaga gctcttcaac ctgcagagtg 420
 aattgactaa acggatagag agctttgagg gcacctttta caaggaccat acgacaagcc 480
 ccaat 485

<210> 2572
 <211> 212
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011d12b1

<400> 2572

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gagcatacaa agaagtgctg ctgctgctat gcacctggat cgatagtaac ctctaagcgc 120
ccatattgca tggacgtgat cgtggacaat gtgcatcacg tcacatggcg ggcctatagg 180
gccctaatag cgaacctgtg tcgtcttggg ct 212

<210> 2573

<211> 494

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011e01b1

<400> 2573

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atgctgctgc tgctattcat cgagagcgat tcttacctca tagcgcccag atcccaatga 120
cgagctcgtc gacgatgtcc accacgttgc tagtccgcca tgggcctcga atgcgaaccc 180
cgttgacatg gcctgggtccg tcttgacctgt actgcgatcc ggcgactagt cctattcgac 240
catccagttc tagccctcct aataggcgct tcagagctct gccggggaccc tgctacatgt 300
ggccccttag aagctgttca gtcacaggcg caatggcatt gagatcctcg tccctcacgc 360
tgcttccatt gggctagaca cagtgttcga gaacctggag agcgaatcgg ctaaacggct 420
ggagagcggc tagggggcct tttaacaagg ccctacgtca aggcccaatg ccaaggacgt 480
tgccaacatg acgc 494

<210> 2574

<211> 538

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011e02b1

<400> 2574

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ctttcttttc tttaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
 aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggctt ggggtaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaaatga ataagaaaat gcaagtgttt tacggatatcc atgagttcaa atttgatg 538

<210> 2575
 <211> 526
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316011e04b1

<400> 2575

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 cttttctata caaattccaa aacctttact agacttttta tgctatcttt agctaacttc 180
 acctagagtc ttttaccatt gattataacc gaatcaaccc ctctttttaa cacatttcaa 240
 acacatacca tccaacgta tatgcgcca cctagtccta tctatgccga aaaatgctac 300
 actaaaactc catgagacac tatctatgct gacactaacc taacacttta taccagagct 360
 taatctgact aagacctacc agacacttac aggttgatg agggtcgaag gaaaggctag 420
 ggttgggtgc tgtgataact gctgtcatct ggcgagacag ctacgagggt tcaaaagggt 480
 gaacaaaatg catgtgtaaa accgaatcct tgacgggatc catgag 526

<210> 2576
 <211> 494
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316011e06b1

<400> 2576

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gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctctgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaaacgggt ggagagcggc gagggcacct ttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgccccgagg agcgtctagc cacggcgctc 540
atggcagctc tcagcaccct caagattgtc cattccg 577

<210> 2579
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011f01b1

<400> 2579

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gtgtttatca ttgtaaagcc tggggctgtt gcccatctgg aatagctaac aagaactctt 120
tctgttattt acaaatccca aaacctttac tagactcttg ctgcttattt agctcacttg 180
acctcgaggg ttataccttg tcttatcatt gagatcaagc gcttctgttt tgtcttttaa 240
acacattgca acccaaagta tacgcgcca cctagcccta tctagcccag aaaaatgcga 300
actagaacta catgagacac tatctctgta gttacgaacc taacactttc taccaagctt 360
aatcggaata agacctgtca atcactcaca agttatatag ggctcgaaag aaa 413

<210> 2580
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011f03b1

<400> 2580

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gaccagacac tgaatgtgcy ctgctgctct gcacgggagc gaccatgacc taatagggac 120
cagtgcgatc ggtcgatgtc cttgacgagg tccagtacgt tccactggcg ccatgatggc 180
cctttgcgaa ccccgctgat atgggctggg gcgcatggcc aatgatgaaa tgcgtgcact 240
tgtccgattg gtgcatgcac atctggccct tcttgtcagc gctacagaga ctaaccaaga 300

CCAGGCGCTC TCAGCACCCT CAAGATTGTC CATTCCG

cçctgcagct ggtggtcçct tagctgatag acgagctcaa tcacacgagg actgagatcg 360
 tçactggccg cggtgctaca attgçgctag acacgagagc cctgaacctg cccagcgtaa 420
 tggcçttgca gctgatgagc çtttagggcg çttgttacat agaccata 468

<210> 2581
 <211> 399
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316011f04b1
 <400> 2581

ctçtaaaactg cacttcgagc ttttgçggta cçtatcacat ggtaggccac gagagccaac 60
 tgtçggcatt gcacagtgat çttgcccaga tacgctgctg çtgctgttct acgagatcga 120
 ttttcacçtc caagçgççct gactçgactg acgagçgçttg ttttcgatgt ccaccacçtt 180
 gagagçttgct cçatggçgcc acgaatgcaa tccccgççga çatggçtçtg tttcagagag 240
 ccggtaccgç aatgççtaga çtcgçaccat gçgaccattc agtcgtagca çtcçtactag 300
 gagçtçatga gacactaçgt gtgççtçtac caagçggaca çtttgtagct gtcçtaacac 360
 agacaggacc gçactgagac tçtcagtgct atatçgggç 399

<210> 2582
 <211> 586
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316011f05b1
 <400> 2582

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 çtgçtttttaa catttttaaag ccaaggççtt ttgçççatçt gcaatagçta acaagaactc 120
 tttçttttçt ttacaaatcc caaaacçttt actagactçt ttçtgçttçt ttagçttact 180
 tcacçtagag tçttçtactt tttçttatca ttgaatcaac cçtttttttt ttttçtttta 240
 aacacattcc aacçcaaagt ataagçgçcc acçtagtççt atçtagtççg aaaaatgçga 300
 actagaacta çatgagacac tatçtçtgçt gttacgaacc taacactçttc taccaagçtt 360
 aatçggaata agacçtcaca aacactcaca agttatatag ggçttgaaag aaagtçtagg 420

tttggggttg gggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga 480
tcaaaatgaa taagaaaatc caagtatttt acggtatgca tgagttcaaa tttgatgcag 540
acatgataag taaagactag attcagggtc aaatngatag ggaatg 586

<210> 2583
<211> 417
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011f07b1
<400> 2583

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ctgtttttta catttttaaag ctctagggct tttgcccac tgcaatagct aacaagaact 120
ctttcttttc tttacaaatg ccaaaacctt tactagactt tttctgcttc tatagcttac 180
ttcacctaga gtcttctacc ttttgttatc attgaatcaa cccctctttt tttttgtttt 240
aaacacatgc caacccaaag tataagcgcc cacctagtgc tatctagtac gaaaaatgcg 300
aacttgaact acatgagaca ctatgtgtgt cgtgacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcctgaaa gaaagtc 417

<210> 2584
<211> 549
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011f08b1
<400> 2584

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cctgttttta acatttttaa gccaaagggt tttgcccac tgcaatagct aacaagaact 120
ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttgttatc attgaatcaa cccctctttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcctgaaa gaaagtctag 420

gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatc taaaagagtg 480
atcaacatga ataagatcat ccaagttttt tacggcatcc atgagttcaa atttgatgca 540
gacatgata 549

<210> 2585
<211> 555
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011f10b1
<400> 2585

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ctgaaaccac aggtgttgaa catatgggga tactatccac tcatttctaag aggatcatgg 120
gcattcggca ctattaaccg tatccatgat ttcacgcagc cagggcataa gatcttctgg 180
ctctcagttc ttgacgttgg gacagctgca ctaatggtag caaacctatc aaataaataa 240
gttataaaat tcgccataga tcactcttgc tcttcccagc tcgatgttct gaatgttgta 300
ttttcagggc ttgttcaatt caatagccta tggtttcaac agctcagtg ctcgagcaat 360
ccatgagaga ctggagctgt aagtcaccac cgatctcttt ggtttgctat attattccca 420
ataatcaatg aagcttgatt tttatgaaac ccttggctctg ctagattctt gccagaacgg 480
ctatatcgat ggcttccaag caatttcaga ccaaaaaacc atttgattct acatcagcaa 540
caacaacagc gaagc 555

<210> 2586
<211> 379
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316011f12b1
<400> 2586

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tttgaaagtc gagggctttt gccatctgc aatagctaac aagaactctt tctttttttt 120
acaaatccca aaacccttac tagacttttt ctgcttactt agcttacttc acctagagtc 180
ttctaccttt tggtatcaat gaatcaacct cttttttttt ttctttttaa cacatcccaa 240

cccaaagtat aagcgccac ctaagtctat ctagtgcgaa aaatgcgaac tagaactact 300
tgagacacta tttctgtcgt tacgaacctt acacttttta ccaagcttta aacggaataa 360
ggacctcaca aacactcac 379

<210> 2587
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g01b1

<400> 2587

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtctttctac cttttctttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcggttacgaa cctaactctt tctaccaagc ttaatcgga 360
taagacctca caaactctca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggtt aaaaagagt atcaaatga 480
ataagaaaat ccagtatttt acggtatcca tgagttcata tttgatgcag acatgataat 540
taaagaatag a 551

<210> 2588
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g02b1

<400> 2588

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catgagcaga caaagaaatg ctgctgctgc tattcaacga gatcgattct aacctcaaag 120
cgcccagatc ccaatgacga gctcgtcgac gatgtccacc acgttgacgt cgcgccatgg 180
gccccgaatg cgaaccccggt cgacatggcc tgggtccgttg tgccgggtact gcgatccggc 240

gacttgtccc attcgaccat ccagttctcg ccctcctcga aggcgcttca gagctttgcc 300
gtgaccctgc aacaggtggc cccttcgaag ctgttcag 338

<210> 2589
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g03b1

<400> 2589

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ttacaaaac ccaaaacctt tactagactc tttctgcttc tttagcttac ttgacctaga 180
gtgttctacc ttttgttatc attgaatcaa cccctttttt ttttctttt aaacacatgc 240
ccacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ataccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagactag ggttgggttt 420
gggccaaactg ctctcataag gagagccagc tacttgggct aaatagagtg gtcaaaatga 480
ataagaaaat gccagtgttt tac 503

<210> 2590
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g05b1

<400> 2590

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ttactagac ttttctgct tctttagctt acttcaccta gagtcttcta ccttttctta 180
tcattgaatc aacccctttt ttttttctt ttaaacacat gccaacccaa agtattagcg 240
cccacctagt cctatctagt ccgaaaaatg cgaactagaa cttcatgaga cactatctat 300
gttgttacta acctaacct ttctaccaag cttaatctga ataagacctc acaaactc 360

acaagttata tagggcttga aagaaagtct aggtttgggg ttgggttaac ggctctcata 420
 tggagagtca gctacttgga ttaaaaagag tgatcaaa 458

<210> 2591
 <211> 329
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316011g06b1
 <400> 2591

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 gctcttgccc agatacgctg gcgctgatgt actacgagat cgattttcac ctccaagcgc 120
 cctgattcga ctgacgaggt cgctgcgat gaccaccacg ttgtggtcgc gccatgggcc 180
 ctgaatgcga tccccgtcta catggtctgg ttcgatgagc cggtactgcg atgcgtagac 240
 ttgtaccatt cgaccattca gttgtagacc tcctagtagg agctcctgag attctacgtg 300
 accctgcaac aggtggaccc ttcgtagct 329

<210> 2592
 <211> 588
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316011g08b1
 <400> 2592

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 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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 ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta gggttggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540

attaaagatt agatcagggtt caattgatag ggatgggttca gatcatga

588

<210> 2593
<211> 531
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g09b1

<400> 2593

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tttcttttct ttacaaatcc caaacctttt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta 240
aacacatccc aaccctaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga 300
actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360
aatcggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420
tttgggtttg ggttaactgc tctaataagg agagtcagct acttgatta aaaagagtga 480
tcaaaatgaa taagaaaatc caagtatttt acggtatcca tgagttcaaa t 531

<210> 2594
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011g10b1

<400> 2594

aattaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaggggggc 60
cgtttttaaaa ggatcc 76

<210> 2595
<211> 601
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011h01b1

<400> 2595

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 ctattaaccg tatccatgat ttcacgagc cagggcataa gatcttctgg ctctcagttc 180
 ttgacgttgg gacagctgca ctaatggtag caaacctatc aaataaataa gttataaaat 240
 tcgccataga tcacttttgc tcttcccgag tcgatgttct gaatgttgta ttttcagggc 300
 ttgttcaatt caatagccta tggtttcaac agctcagtgc gtcgagcaat ccatgagaga 360
 ctggagctgt aagtcaccac cgatctcttt ggtttgctat attattccca ataataatg 420
 aagcttgatt tttatgaaac ccttggtctg ctagattctt gccagaacgg ctatatcgat 480
 ggcttccaag caatttcaga ccaaaaaacc atctgattct acatcagcaa caacaacagc 540
 gaagcgaaat ggtatcactc aagaccgagg accagcaatg acactaactt tcaactaata 600
 c 601

<210> 2596
 <211> 434
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316011h02b1
 <400> 2596

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 gtgcttctat acggcccttg aaggatttcc aggtgctgtt cgatggaatg ctgagtgga 120
 tgtgtgaatt ttatggtcag attttctgc caggttgaat agctgatgca gtgcattgag 180
 tgttttccat ctaccagatt tttcctaata gttatgcagg cttgtggatg ttttggtcga 240
 gcttggtgctt ggattataaa tgtgacgttt ttagctctgt gaaagtaaag atgcctcgat 300
 ataatttggtg ccataataac atgttttttt aatgataaga tgtatcacat atgctgcagg 360
 ttttgtatga atttccattc cgaccttct tgatctcaac tgctcttaata ttgttttatt 420
 gttccaccaa tttt 434

<210> 2597
 <211> 461
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011h03b1

<400> 2597

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg tatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgctatc 240
cggcgacttg tccattcga ccatccagtt ttcgccctcc tcgtaggtgc ttcagagctt 300
caccgtgacc ctgcaacagg tggctccctc taagctggcc aagcacagcc gcagcggcat 360
tgagatcctc gtactcgacg atgctccct tccgatagac acggtgtccg tcgacctgga 420
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<210> 2598

<211> 564

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011h05b1

<400> 2598

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc ccgtcgacatg gccttgggtcc atgtgccggt actgcgatcc 240
ggcgacttgt gccattcgac catccagttc tcgccctcct cgtaggcgct tcagagcttc 300
gccgtgacct tgcaacaggt ggcccccttcg tagctgtcca gccacagccg cagcgggatt 360
gagatcctcg tctcgacgt tgctgccctt acgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca 480
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acggcaggtc tcagcacct caag 564

<210> 2599

<211> 295

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316011h06b1
 <400> 2599
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 gtaggtgacc cttggcggca cagactggac ccaaatgccc aatctagcag gacagtattt 180
 aagcaagtga agcatagatt catctccatc ttcacaaacc tgagacacat tcgaggcgat 240
 catatgtcat gtaggccgtt cctaatttgt cataactatg cgcagcgggg ttata 295

<210> 2600
 <211> 565
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
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 <400> 2600
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 aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgtcgacatg gcctgggccg ttgtgcgggt actgcgatcc 240
 ggcgacttgt ccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
 gccgtgacct tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
 gagatcctcg tctcgacgt tgctccccctt ccgctagaca cgggtgttcgt caacctggag 420
 agcgaattga caaacggct ggagagcggc gagggcacct ttacaagga ccatccgaca 480
 agccccaatg ccaaggacgt tgccaacatg acgcccgagg agcgtctagc cacggcgctc 540
 anggcagctc tcagcaccct caaga 565

<210> 2601
 <211> 520
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316011h10b1

<400> 2601

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ctttcttttc ttacaaaac ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gaggagtcag ctacttggtat taaaaaagag 480
tgatcaaaaa tgaaataaga aaaatcccaa gtattttttac 520

<210> 2602

<211> 498

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316011h11b1

<400> 2602

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac tttgattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtttttt 498

<210> 2603

<211> 382

<212> DNA

<400> 2607

aacactacgc tacatctagc ggatttgat tgctttaaca actaaggccc ctgtttgtaa 60
cattgtaaag ccaagggctt tcgcccattc ccaatagcta acaagaactc tatcttttct 120
ttacaaatcc cagcaacctt cactagactt tctctgcttc tttagcttac ttaacctaca 180
gcaccctaac ttttcttatac attgaaacaa ccccatcaac cctttctttt aaacacatcc 240
caccctaaag tataagcacc cacctcgctc tatttagtcc aaaaaatgcg aactagaact 300
acttgagaca ctatctatgc tgttacgaac ctaacactcc ctaccatgct taaccggcat 360
aagacctcac aaacactcac aagctatatc gggcttgaaa gagcgtctaa gatagggttt 420
gggttgactg gtc 433

<210> 2608

<211> 362

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012a07b1

<400> 2608

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gggtgtgaac agatggggat gctatccact cattctaata ggatcatggg cattcggcct 120
taacgatcag atcatggccg gatagacttg gttagtcttg cgtggacgcg ctaggtgcac 180
cttaaaaata gataatcgca taacatttgt ttccagcgag ttgatgtgat tcaggctgca 240
taaagctatg taacctaggg cacatcagaa cggctgagac ccacttggtg tttatccaat 300
agagtgatat aacttgtgta tttgcacgtt tgtgtcacat taacaaactt gttctagaca 360
ca 362

<210> 2609

<211> 321

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012a09b1

<400> 2609

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aacatttttaa agccaagtgc ttttgcccat ctccaatagc taacaagaac tctttttttt 120
 ttacaaatcc aaccttactg acttttggtt tactacttac ctaagcttta cctttttata 180
 tgataccctt tttttttttt aaccatcaac caagataagc ccactatcta ttagtcaaaa 240
 gcactaacta ctaacctttt gcgtcgacct acatttccac taacgataga ctacacctcc 300
 agattggctg aaaagctagt g 321

<210> 2610
 <211> 380
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316012a10b1
 <400> 2610

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 ttttttttac aaatcaaact actgactttt gttttactac ttacaagctt tcctttctat 180
 attgataccc tttttttttt taacacatca ccaagttagc ccactagcct attgccaaaa 240
 tgcacaactc agaacacttt tgtgtcaact acactttacc actaatgaat aaaccaacc 300
 tacagtatta ggctgaaaag ctagtgggtg ggaacgttaa aggagcactc tgataaaagg 360
 acaagataga atcagattac 380

<210> 2611
 <211> 171
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316012a11b1
 <400> 2611

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgag cagactaaga aatgctgctg ctgctattca acgagatcga ttaactaagc 120
 gccaatcatg cagctctcac atgtcacagt gatcccatg cccaatgcac c 171

<210> 2612
 <211> 426
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012a12b1

<400> 2612

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tgagctgacg tttgaaatgc tgctgctgct attcaacgag atcgattaac ctaaagcgcc  120
aatcatgcag ctgcacatgt cacactgctc gccatggccc aatgcaaccg cactggctgt  180
ccgtggcgac tgaccgcact gtcacacca tcagtctgcc tctgcggtc aagttgcgac  240
ctgacagggc cttaagtgtc ccagccagg gatagactgc tcacgtgtcc ttcgtagaac  300
ggtcgcacct gaagcaatgc aacggtgaag cggagccctt acagcctcac agccatgagg  360
cttcccagac ccagaggtag cgcctagga cttacaccta atgtcatcgc atgttcgtgc  420
ttgcgc                                           426
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<210> 2613

<211> 569

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012b01b1

<400> 2613

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ttttaagcc aagggtttt gccatctcc aatagctaac aagaactctt tcttttcttt  120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc  180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa  240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca  300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag  360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg  420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata  480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atgataatta  540
aagattagat tcaggttcaa attgatagg                                           569
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<210> 2614

<211> 292
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316012b02b1

 <400> 2614

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 attttaaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
 tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt tacctagagg 180
 cttctaccct ttcttatcat tgaatcaacc cttttttttt ttttttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtcccg aaaatgccaa ct 292

<210> 2615
 <211> 551
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316012b03b1

 <400> 2615

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 tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
 cttctacctt gtcttatcat tgaatcaacc cttttttttt tttcttttaa acacatgccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atagagacac tatctctgtc gatacagaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggctcgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagcg atcaaaatga 480
 ataagacaat ccaagtcttt tacgggtgtcc atgagttcaa atctgatgca gacatgataa 540
 ttaaagatta t 551

<210> 2616
 <211> 278
 <212> DNA
 <213> *Triticum aestivum*

<210> 2619
 <211> 361
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316012b10b1

 <400> 2619

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 tgcacatgag cttacgtaga aatgctgctg ctgctattca acgagatcga ttctacctaa 120
 gcgccaatca tgacagctgc acatgtccac cacgtgatcc cctggcccca atgcaccccg 180
 cacatggctg tcgtggccgc tcatccgact gtcatcacct catttgccctc tgtgggctaa 240
 gttgcgacct gacagggcct taagtgcagc cagcgagggt taacctgtcc acgtgtcctt 300
 cgtgaacggt cgaactgaag gatgcaacgt gaagcgagga cttcagactc acagccatgc 360
 a 361

<210> 2620
 <211> 120
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316012b11b1

 <400> 2620

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<210> 2621
 <211> 448
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316012c01b1

 <400> 2621

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 acaaatecca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180

tcctaccttt tcttatcatt gaatcaaccc cattttctcc tttcttttaa acacatgcc 240
 acccaaagta taagcggcca cataggccta tctagtccta aaaatgcgaa ctagagctac 300
 atgagacact atctctgccg ttacgagcct aacactttct accaagctta atcggactaa 360
 gacctcacia acactcacia gttatatagg gcttgataga aagtctaagt atggggttgg 420
 gttaactgct ctaataagga gagtcagc 448

<210> 2622
 <211> 500
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012c02b1

<400> 2622
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 gctaaagcca agggcttttg cccatctcca atagctaaca agaactctgt gtttttttta 120
 caaatcccaa gacctatact agactttatc tgcttcttta gcttacttca cctacagcct 180
 cctaactggt cttatcatgg aatcaacccc attaatcctt tttttgaaac acatcccaac 240
 ccaaagtgtg agcgcccaca tagtgctatc tagtccgaaa aatgcgaact agagctacat 300
 agagacacta tatatggcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaag cactcacaag tcatataggg cttgatagaa agtctaagat tgggcttggg 420
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 ataaaatcca agccttttta 500

<210> 2623
 <211> 271
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012c03b1

<400> 2623
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 aaaatgccgg tcagcacgat cgccgtgggg agccaccgtg ggggtgacga tgtctgcgcc 120
 ctcaaggcgg cgctcgccgt gatcatctcc acgctcatct tcgtctttgc cggccagggc 180

<223> Clone ID: uC-tsfl9316012c09b1

<400> 2626

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aacattttta agccacgggc ttttgcccat ctccaatagc taacaagaac tctttttttt 120
tacaatccaa ccttactaac ttttgtttta ctacttacia gctttccttt cttatatgat 180
aacccttttt tttttaacac tcaccaagat acgccactag cctattatca aaatgcacta 240
actactaaca cttttgcgta caacctcact tta 273

<210> 2627

<211> 127

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012c10b1

<400> 2627

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cggcggggcg gacttacgga tcaacaggcc gacacggggg cgggcgggccg cggcggggcg 120
agtggac 127

<210> 2628

<211> 367

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012c11b1

<400> 2628

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gaaattttta tgacaccctg gatgtgatac tcgtctggac gtgacatcaa ttaatcatgt 180
acatgaaaaa aaaaaaggcg cgtaaggat caagtactac cggctgcaga tacttttatg 240
gcactaaatt attatggcgc gttacacgct gatgaaactg ggtacaataa tgctgagaat 300
cctttgcgtg gtatacaaag gcgaccacgc ttcacatgca gctatggatg acccctgacg 360
ccatacc 367

<210> 2629
 <211> 370
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012c12b1

<400> 2629

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 taaccgttca tattcatggc cgggatagac tttggcttag tcttgcgtagg aactgacta 180
 atggagcaaa cctataataa tagtataaat cgcataatca tttgctttcc gagcatgtct 240
 gaagtgtttt caggctgtca attaatacca tggccaacag tcagggtcac aatcatgaag 300
 atggactgaa gtacaccatc tcttggttgc ttatatccaa tataatgagc tcgttttata 360
 aaccctggct 370

<210> 2630
 <211> 296
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012d01b1

<400> 2630

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 cgaacccaaa gactaagcgc gcacctagtc ctatctagtc cgaaaaatgt gaactactac 180
 ttcgtgagac gctgtctctg tggagacgaa cataaactc tgtaccaagt ttgattggct 240
 ttagacctca caaactctt cacgttatat agggcgtgaa agaaagtgtg gggttg 296

<210> 2631
 <211> 333
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012d04b1

<400> 2631

tcccgccgta gctatgggat taggaatgtc acctgacggc ttgcacatga gcatcacaaa 60
gaaatgctgg tgctgctatt caacgagatc gattctaacc tcattgtgct catatcccaa 120
tgacgagctc gttgatgagg tccaccagggt tgtataggct ccttgagccc cagaatgcga 180
acctttgtcg aatgggtctgg aacgctgtgc ctgttctgct atccggcaga ctttgaccat 240
acaaccatac cgttctcgtc gtcctatttg gagctaaaaa ggtttgccgt gacctctgtg 300
acaagctgtc ctttggaagt tcgacactca cag 333

<210> 2632
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012d06b1

<400> 2632

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caaaaccttt actagacttt gtctgcttct ttagcttact tcacctaaag tcttctacct 180
gttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc aaccctaaagt 240
ataagcgccc acctagtctt atctagtccg aaaaatgcga actagaacta cctgagacac 300
tatctctgtc gatacgaacc taacactacc taccaagctt aatctgaatt agacctcaca 360
aactcacaa gttatta 377

<210> 2633
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012e01b1

<400> 2633

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gcatatgtta catggagggt attcacccga agatgcctgc tgcttgctat tcaacgtgat 120
cgattctaac ctcaaagtcg cccatgatcc tca 153

<210> 2634

<211> 297
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316012e02b1

 <400> 2634

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 ggctgaagct tatgaggaaa ggcttgacac aaaagagcaa ctgtgaggca taacagaatg 120
 gagtggatct ccgtgaaaag ctttccagga agtcaaagaa actccaggga tacgaggcaa 180
 gaaggggtga tccagaatca aggtctaatt atgatgaggg ggaaatccca aaatcaggat 240
 ctggatatgg tttgaggggg agagtccac aatcaagagc ctctactctt gtaagcc 297

<210> 2635
 <211> 105
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316012e04b1

 <400> 2635

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 ctttgttttc tttaccaaat cccaaaccct taatagacct tttcc 105

<210> 2636
 <211> 374
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316012e05b1

 <400> 2636

 gctctaagct aacactttgg tacatctagc cgatttgga ttttttaaca actaaagggt 60
 ctgtttttta catttttaaag ccaaggggct tttgcccac tgcaatagct aaaaaagaac 120
 tctttctttt ctttaciaat accaaaacct ttactagacc ctttctgctt ctttagctta 180
 ctttacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
 taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctaag ccaaaaatgc 300
 caactagaac tacatgagac actatctttg tcgttacgaa ctttatcact ttttaccaag 360

ctttaatcgg gaat

374

<210> 2637
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012e06b1

<400> 2637

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tttaacattt taaagccaag ggcttttgcc catctccaat agctaacaag aactctttcg 120
tttctttaca aatcccgaaa cctttactag actttttctg cttcttttagc ttacttcacc 180
tagagtcttc taccttttct tatcattgaa tcaaccctt ttttttttct ttttaaacac 240
atcccaaccc aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag 300
aactacatga gacactatct ctgtcgttac gaacctaaca ctttctacca agcttaatcg 360
gaataagacc tcacaaacac tcacaagtta tatagggtt gaaagaaagt ctaggtttgg 420
gtttgggtta actgctctaa taaggagagt cagctacttg gattaataaag agtgatcaaa 480
atgaataaga aaat 494

<210> 2638
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012e07b1

<400> 2638

acactttggt acatctagcg gatttggatt tctttaacaa ctaaggctcc tgtttttaac 60
attttaaagt caaaggctct tgcccatctc caatagctaa caagaactct ttttcttcaa 120
tcaaactact gacttttggt ttactactca caagctctcc ttctatatga tcaccctttt 180
ttt 183

<210> 2639
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012e09b1

<400> 2639

tgtccgacct attgccgacc tagcaaatgg tcagccaaga aagccaactg acggcattgc 60
acatgagctg acaaagaaat gctgctgctg ctattcaacg agatcgttta acctaagcgc 120
caatcatgca gctgcacatg tcaccgtgag cggcctggcc caagcaaccc gcacatggct 180
gtcg 184

<210> 2640

<211> 527

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f01b1

<400> 2640

gttctccgac ctcttcccgcc acctagcaaa tggttagcca agaaagccaa ctgacggcat 60
tgtacatgag cttacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cattcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacaggc gcaggggcat 360
tgagatcctc gtccctcgacg ttgcttcctt tgcgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaaccgc tggagagcgg tgaaggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gacgcccag gagcgtc 527

<210> 2641

<211> 252

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f02b1

<400> 2641

aacgctaaca ctttgttaca tctagcggat ttggatttct ttaacaacta agggtcctgt 60
ttttaacatt ttatagccaa gggctttttg cccatcctgc aatagcttaa caggaacctc 120

tttcttttct ttacaaaatc ccaaaaccct ttactagaac tttttctgct tctttaggct 180
tacttcaacc ctaaaggctt ctaccctttc tttataattg aatcaacccc cttttttttt 240
ttttttttaa aa 252

<210> 2642
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f03b1

<400> 2642

gctctaacgt gttctccgac ctcttcccg c acctagcaaa tggtagagcca agaaagccaa 60
ctgacggcat tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga 120
ttctaacctc aaagcgccca tatcccaatg acgagctcgt cgacgatgtc caccacgttg 180
cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gatgtgccgg 240
tactgcatc cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc 300
ttcagagctt cgccgtgacc ctgcaacagg tggctccctc gaagctgtgc agccacagcc 360
gcagaggcat tgagatcctc gtactcaacg ttgctcccct tacgatagac acggtgttcg 420
tcaacctgga gagctgattg acaaaacg 448

<210> 2643
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f05b1

<400> 2643

ctaactttt gttacatcta gcgatttgg atttctttaa caactaaggc tcctgttttt 60
aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctgtacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacttt tctaccaagc ttaatcgga 360

taagacctca caaactca caagttatat agggcttgaa agaaagtcta aggttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaga 467

<210> 2644
 <211> 318
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f06b1

<400> 2644

cggatttggg tttcttaaca actaagggtc ctgtttttaa cattttaag ctcaagggtc 60
 tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaatc ccaaacctt 120
 tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc ttttcttacc 180
 attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag tataagcgcc 240
 cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca ctatctctgt 300
 cgttacgaac ctaacact 318

<210> 2645
 <211> 230
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f08b1

<400> 2645

tacatctagc ggatttggat ttctttaaca gctaagggtc ctgtctttaa cattttaag 60
 tcaagggtc atgccccatc ccaatagcta acaagaacct tcttctttca aatccaaacg 120
 actgactttt gtcttactac ttactaagct ttccttttta tatgacaccc tttttttttt 180
 taaacacatc aaccaagtta cccccaccta tccttctaga cgaaagcaac 230

<210> 2646
 <211> 75
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f09b1

<400> 2646

gacgtcatag ctcttgtata ggtacctaag aatcactggc gcgttacaac gcggctgaaa 60
acctgcgccc cactt 75

<210> 2647
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f10b1

<400> 2647

ggtaacgaca gtgacatccc tacggagccc cttccattat ctgtgcgtcg ctgtgttcac 60
aaataacccg tgagctacac gcaattgggg cgagctaagg aaatccacag ctgcacaatc 120
gtgaagagat caactcattg gccagagtg aaaaaatggg gttcgtcact gattgtcagc 180
actacaaagc gctgggagta caagagtgcg aagacaaggt ttgcatactt gatgggatgg 240
attatcacgt tcgtggactg ctgtgcaacg tgatgcgcaa actttatgtg tgtttaaaaa 300
aaagcgcggt agacagtctc ctctgacgta ttttggacta tatatgc 347

<210> 2648
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012f11b1

<400> 2648

gcttaactgt tctccgacct cttcccgcac ctagcaaagt gtaagccaag aaagccaact 60
gacggcattg cacatgagtt ttacaaagaa atgctgctgc tgctattcaa cgagatgatt 120
acctaagcgc caatcaagca gctgcacatg tccacttgat ccctggccc aagcaacccc 180
actggctgtc gtggcgactg accgcactgt catcactcag tctgctct 228

<210> 2649
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g01b1

<400> 2649

gctctaacgc taacactttg ttacatctag cggtatttga tttctttaac aactaaggtt 60
cctgttttta acattttaaa gccaaagggt tttgcccac tccaatagct aacaagaact 120
ctttcttttc tttaaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaa 555

<210> 2650
<211> 533
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316012g02b1
<400> 2650

gctctaacgt gtactccgac ctcttcccgc acctagcaaa tggtaagcca agaaagccga 60
ctgacggcat tgcacatgag cagacaagga aatgctgctg ctgctattca acgagatcga 120
ttctaacctc aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg 180
cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg 240
tactgcgatc cggcgacttg tcccattcga ccatccagtt ctagccctcc tcgacggcgc 300
ttcagagctt cgccgggacc ctgcaacagg tggcccctta gaagctgttc agtcacaggc 360
tgagcggcat tgagatcctc gaactcgacg ttgggtccct tgcgctagac acagtgttcg 420
tgaacctgga gagcgaattg aaaaaactgc tggagagcgg ctagggcacc ttttacaagg 480
accattcgac aagccccaat gccaaaggac ttgccaacat gacgcccag gag 533

<210> 2651
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g03b1

<400> 2651

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tcctgttttt aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac 120
tctttctttt ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
ttaatcgga taagacctca caaacactca caagttatat a 401

<210> 2652

<211> 527

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g04b1

<400> 2652

gctctaacct aacactttgt tacatctagc ggatttggat ttctttaaca actaagggtc 60
ctgtttttta cattttaaag ccaagggtt ttgcccatt gcaatagcta acaagaactc 120
tttcttttct ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta 240
aacacatccc aacccaaagt ataagcgccc acctagtcct atctagtcgc aaaaatgcga 300
actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360
aatcggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420
tttgggtttg ggtaactgc tctaataagg agagtcagct acttggatta aaaagagtga 480
tcaaaatgaa taagaaaatc caagtgtttt acggtatcca tgagggtc 527

<210> 2653

<211> 328

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316012g06b1

<400> 2653

tctacgacct ntccccgcac ctagcaaagg gtgacgccaa gaaagccaac tgactgcatt 60
gcacatgaac atacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
tagcgcccag atgcaaaaga caagctgggc gactatgtgc accacgttgc acaagcccca 180
tgggctccca aggcgagcag agcagacatg gtcatttcca ttgggacgga actgagatcc 240
ggggagtagc tccataccac catccagata tgggcctcct ccactgcgct tcagagcttt 300
gtcgtgaccc tgtgacatgt ggccccctt 328

<210> 2654

<211> 215

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g09b1

<400> 2654

gctctaacc taacactttg ttacatctag cggatttggg tttctttaac aactaagggt 60
cctgttttta acattttaca gccaaagggt tttgcccac tccaatagct aacaagactt 120
tttttttaca atccaaacta ctgatttctg tcttactact cacctaagct ctcctttttt 180
atattgataa cccttttttt ttttaacaca tcacc 215

<210> 2655

<211> 295

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g10b1

<400> 2655

gctctaaagc tcaacacttt gttacatcta gcggatttgg atttcttta caactaagggt 60
tcctgttttt aacattttta agccaagggt tttgcccac tccaatagc taacaagact 120
tttttttttt caatccaacc ttactagac tttgtttta ctacttacct aagctttcct 180
ttttatatga tacccttttt ttttttttaa cacatcacca agatacgcca ctagtctatt 240
agtcaaaatg caactaacta ctagacactt ttgtgtacaa cctcacttta ccagc 295

<210> 2656
 <211> 278
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012g11b1

<400> 2656

ctctaacgct caacactttg ttacatctag cggatttgga tttctttaac aactaagggt 60
 cctgttttta acattttata gccaaagggt tttgcccata tccaatagct aacaagactt 120
 tcttttttta caatcaaacc tactgacttt tgttttacta cttactaagc tttccttttt 180
 atattgataa cccttttttt tttttaaaca catccacca agatagccca cctgcctatt 240
 atcaaaatgc actaactcat gaacactatt tgcgtaca 278

<210> 2657
 <211> 489
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h02b1

<400> 2657

gctctaacgc tcaacacttt gttacatcta gcggatttgg atttctttaa caactaagggt 60
 tcctgttttt aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac 120
 tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
 cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
 taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300
 gaactagaac tacatgagac actatctctg tcgttacgaa cctaactatt tctaccaagc 360
 ttaatcgga taagacctca caaactca caagttatat agggcttgaa agaaagtcta 420
 gggttggtt tgggctaact gctctaataa ggagagtcag ctacttggat taaaaagagt 480
 gatcaaat 489

<210> 2658
 <211> 638
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h04b1

<400> 2658

acactttgtt acatctagcg gatttggatt tctttaacaa ctaagggtcc tgtttttaac 60

attttaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120

tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240

acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360

gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420

gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480

aagaaaatcc aagtatttta cggatttcat gagttcaa attgatgcaga catgataatt 540

aaaagattag attcaggttc aaattgatag ggaatggtt cagatcatga cagtgtggtc 600

gagtagaaca atctaagcat ggttcagttt tttttttt 638

<210> 2659

<211> 274

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h05b1

<400> 2659

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atcgcgagaa ctttttatct tattgagcaa agccacaacc gacactcgac ttacgtggt 120

tcaccagctt acttcacctc cagggtccta cttgcgatc tcatgtgaac aagcccttgt 180

tcgttggtgt tgtaaccgca tcccagccac atagtactag cgcccatcta gttctatcta 240

ctcctgaaaa atgctaacta gatctacctg aaac 274

<210> 2660

<211> 412

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h06b1

<400> 2660

ctcaacactt tgttacatct agcggatttg gatttcttta acaactaagg ttcttgtttt 60
taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120
tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta cctttttctta tcattgaatc aacccctttt tttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
ataagacctc acaaacactc acaagttata tagggcttga aagaaaagtc ta 412

<210> 2661
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h07b1

<400> 2661

gctctaaagt gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa 60
ctgacggcat tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatatc 120
tacctaaagc gccaatcatg cagctgcaca tgtcaccact tgatcccat ggcccaatgc 180
aaccgcacat ggctgtcgtg gccgctgac cgactgtcat cacctcagtc tgcctctgcg 240
gcttaagttg cgacctgaca gggcctcaac tgccgccagc gagggatgaa tctgtccacg 300
tgtccttcgt gaacggtcga actgaagaat gacaacgtga agcgaggccc ttacagcatc 360
acagcatgca gactgcacta cccagagcgt accgcctagg agttacacta gatgcatcgc 420
atgttcgtgc ttggcat 437

<210> 2662
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h08b1

<400> 2662

gttctccgac ctcttccgc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatatc tacctaaggc 120

caaccaagca gtctcacatg tcacattcag ccccatggcc caatgcaacc cgcacatggc 180
 tgtcgtggcg actgcaccgc gactgtcatc accatcagct gcctctgtgg ctttaagttgc 240
 ggactgacgg ggctcaagt gcaccagcg agggatgaac cctctcacgt gtcctt 296

<210> 2663
 <211> 366
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h09b1

<400> 2663

gctctaaagc tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt 60
 tcttgttttt aacattttta agccaagggc ttttgcccat ctccaatagc taacaagact 120
 ctttttttta caatccaaac ttactagact tttgttttag tacttaccta agttttactt 180
 tttatatgat accctttttt ttttttaacc atccaccaag atagcgccac tgtctattag 240
 ccgaaaagca cagactacta gaactatttg tgtacaacta cactttacag ctaatggata 300
 gacacaacac tacagtattg ggtgagaagc tggtggttgg tactgtctat agaagcagtc 360
 tgataa 366

<210> 2664
 <211> 312
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316012h10b1

<400> 2664

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 tgacggcatt gcacatgaac ttacaaagaa atgctgctgc tgctattcaa cgagagtatt 120
 acctaaagcg ccatccaatg cagctcgac atgtccacca cgttcagccc catggcccaa 180
 tgcaccctc acatggctgt cgtggcgact gatccgactg tcatcaccat cgtctgcctc 240
 tgtcgcttaa cttccgacct gccagggcct taagtgcacc cagcgagggga tgaacctcgc 300
 cacgtgtcct tc 312

<210> 2665
 <211> 424
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316012h11b1

 <400> 2665

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 tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcat ctacctaagc 120
 gccaatccaa gcagctgcac atgtcaccgc tgagcgccat gggccaatgc acccgactg 180
 gctgtcgtgg ccgctgaccg gactgtcatc accatcagtt gcctctgtgg gctaagttgc 240
 gacctgacag gggccttaag tgcaccagc gagggatgaa tctgtccacg tgccttcgt 300
 gaacgtgcga actgaaggat gcaaactga agggagggct ttcaggcatc acagccatgc 360
 agegtgcact gaccagagg taccgcctag gagttacacc taatgcatcc gatgtcgtgt 420
 tgcg 424

<210> 2666
 <211> 111
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316013a01b1

 <400> 2666

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<210> 2667
 <211> 368
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316013a02b1

 <400> 2667

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 catgagctta atttttaaat gctgctgctg ctattcaacg agatcgattt cctaagcgcc 120
 gaccaagcag ctgcacatgc cacacttgca tgctggccc gagcaccgc actggctggc 180

cgtggcggtc tggatcgac tgtcatcacc atcatctgcc tctctcgctt aagtcgcgac 240
ctgcacgggg ccttaattgt ctccagccag cgatgaatct atctcactgc tccttcctga 300
ccggctgaac tgaaggatgc aaacgtgaga ggcagggctt tacagcatca cagccatgca 360
gcctgcac 368

<210> 2668
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a05b1

<400> 2668

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gggctgcttc tgtagctggg agctgggtca acttcctgac tgtcatttac attgggtttg 180
tctgcgcgca cacgctccct gtgctgtacg agaagtacga ggaccaggtc gacgacttcc 240
tctacagcat cctgggcctg ctccgagagc agtaccagaa actcgacagc ggcgtcctga 300
gcaggatacc ctccaagagg aacaagaaga gcgagtagat tgattagatc agatggacac 360
tcatgattta tcgagtga aa tccca 385

<210> 2669
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a06b1

<400> 2669

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aggactacgt cgacttcctc tgcacactca actacacggt ggagcagatg cggctgttcg 180
tcccggagct gaacaagtgc gacaggacga tcccggcgcg cgtggccaac ctgaaccacc 240
cgtcgttcgt ggtggtgttc gacggccgca cccgcgtctg cacgctgacg cggacggtga 300
ccttgggtgtc ggcgcgcccc gagagctaca acgtgacggt ctccgcgccc gacggtgtga 360

agggtgaccgt gacgccggcg acgctggagt tcaggggtggc cgaacgagaa gaggagctac 420
agcgtgcag 429

<210> 2670
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a07b1

<400> 2670

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acccatccca 240
ccccaaagtt taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtgg ttacgaacct aacactttct accaagctta atcggaataa 360
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<210> 2671
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a08b1

<400> 2671

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caaagcgccc agatcccaat gacgagctcg tcgacgatgt ccaccacgtt gcagtcgctc 180
catgggcccc gaatgcgaac cccgtcgaca tggcctgggc cgttgtgccg gtactgcat 240
ccggcgactt gtccattcg accatccagt tctcgccctc ctgctcgccg cttcagagct 300
tcgccgtgac cctgcaacag gtggccctt cgaagctgtc cagccacagc cgcagcggca 360
ttgagatcct cgtcctcgac gttgctcccc ttccgctaga cacggtgttc gtcaacctgg 420
agagcgaatt gacaaaacgg ctggagagcg gcgagggcac cttttacaag gaccatccga 480

caagcccca tgccatggac gttgccaaca tgacg

515

<210> 2672
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a09b1

<400> 2672

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta agtttgggtt 420
tgggttaact gctctaataa ggagagtcag cta 453

<210> 2673
<211> 59
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a11b1

<400> 2673

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<210> 2674
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013a12b1

<400> 2674

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gtgctcgagt atctcgccgc cgcggctctg gagttgcca agatcgccgc tagggacaac 180
aagatgaccc tcatcgtgcc gagccacatg gagct 215

<210> 2675
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013b03b1

<400> 2675

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gacggcattg cacatgagca gacaaagaaa tgctgctgct gctattcaac gagatcgatt 120
aacctaagcg ccaatcaagc agtctcacat gtcacacttg atccccatgc ccaatgcacc 180
cgcacatggc tgctcg 195

<210> 2676
<211> 559
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013b09b1

<400> 2676

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aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc cgtcgacat ggcctgggtcc gttgtgccgg tactgcatc 240
cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaggacg ttgccaacat gacggccgaa gagcgtctag ccacggcgct 540
catggcagct ctcagcacc 559

<210> 2677
 <211> 443
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013b11b1

<400> 2677

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 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacattcc 240
 aacccaaagt attagcgccc accttgtcct atctagtcog aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc ttacactttc taccaagctt aatcggaatt 360
 agaccttaca aacactcaca agttatatag ggcttgaaag aaagtctaag tttgggtttg 420
 ggttaactgc tctaataagg aga 443

<210> 2678
 <211> 450
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013c03b1

<400> 2678

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 gcgccaatcc atgcagctgc acatgtccac cattgatccc catggcccca atgcacccgc 180
 acatggctgg ccgtggccgc tgatccgact gtcacacca tcagtctgcc tctgtcgctt 240
 aagttgcgga ctgacggggc ctttaagtgc gccagcgagg gatgaatctg tccacgtgtc 300
 cttcgtgaca cggatgaacc aagaatgcaa acgtgaaggg aggccctttc aggcacacaa 360
 gccatgcagc gtgcacatac ccgaggggtac cacggctaga gttagaccta atgcattcgg 420
 atgtcgtctt gcgcgatcgt ctactgcgct 450

<210> 2679
 <211> 587

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316013c04b1
 <400> 2679

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 caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
 tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
 ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
 gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
 cctcaciaaac actcacaagt tatatagggc ttgaaagaaa gtctaggctt gggtttgggc 420
 taactgctct aataaggaga gtcagctact tggattaataa agagtgatca aaatgaataa 480
 gaaaatccaa gtattttacg gtatccatga gttcaaattt gatgcagaca tgataattaa 540
 agattagatt caagctccaa ttgataggga atggatcag atcatga 587

<210> 2680
 <211> 487
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316013c06b1
 <400> 2680

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 tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttaactcaaa 120
 gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg tcgcgccatg 180
 ggccccgaat gcgaaccccg tcgacatggc ctggtccgtt gtgccggtac tgcgatccgg 240
 cgaattgtcc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300
 cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga 360
 gatcctcgtc ctcgacgttg ctcccccttc gctagacacg gtgttcgtca acctggagag 420
 cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
 cccaat 487

<210> 2681
 <211> 563
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013c07b1

<400> 2681

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gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgagc tcgcccagat 180
ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccgggtac tgcgatccgg 240
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cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca ggggcattga 360
gatcctcgtc ctgcagcttg ccccccttc gctagacacg gtgttcgtca acctggagag 420
cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
ccccaatgcc aaggacgttg ccaacatgac gcccaggag cgtctagcca cggcgctcag 540
ggcagctctc agcaccctca aga 563
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<210> 2682
 <211> 560
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013c08b1

<400> 2682

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tgcacatgag ctgacaaaaga aatgctgctg ctgctattca acgagatcga ttactcaaaa 120
gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgagc tcgcccagat 180
ggccccgaat gcgaaccccg tcgacatggc ctgggtccgtt gtgccgggtac tgcgatccgg 240
cgacttgctc cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc 300
cgtgaccctg caacaggtgg ccccttcgaa gctgtccagc cacagccgca ggggcattga 360
gatcctcgtc ctgcagcttg ccccccttc gctagacacg gtgttcgtca acctggagag 420
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cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag 480
 cccaatgcc aaggacgttg ccaacatgac gcccaggag cgtctagcca cggcgctcat 540
 ggcagctctc aacaccctca 560

<210> 2683
 <211> 343
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316013c09b1
 <400> 2683

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 tcgtggacca tgaccaccac gttgcagtcg cgccatgggc cccgaatgca aaccccgtcg 180
 acatggcctg gtccgtttgtg ccgagactgc gatccggcga cttgcgccat tcgaccatcc 240
 agttatggcc ctccctcgtgg gcgcttcata gctgagacgc gaccctggac caggcggccc 300
 cttcaaagct gaccagccac agccggaggg ggatcgagat cct 343

<210> 2684
 <211> 376
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316013c10b1
 <400> 2684

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 catttgtcat ttctttcgcc catctccaat agctaacaag aactnttctt tctttacaaa 120
 tcccaaaacc ttactagac tttttctgct tctttagctt acttcaccta gagtcttcta 180
 cctttttcta ttattgaatc aacccctttt ttttttctt ttaaacacat cccaacccaa 240
 agtataagcc gccacctag tcctatctag tccgaaaaat gcgaactaaa actacatgag 300
 acactatctt ttgtcggttc cgaacctaac actttttacc caagcttaat tcggaataaa 360
 gaccctcaca aaacac 376

<210> 2685
 <211> 523
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013c11b1

<400> 2685

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 tttaaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgag aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttggggttt 420
 ggggttaactg ctctaataag gagagtcagc tacttggatt aaacagagtg atcaaaatga 480
 ataagaaaat ccaagtattt tacgggatcc atgagttcaa att 523

<210> 2686
 <211> 519
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013c12b1

<400> 2686

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 acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
 ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtcgaa aaatgcgaac tagacctaca 300
 tgaaacacta tctttgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480

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519

<210> 2687
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013d02b1

<400> 2687

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gcgccaatca tgcagctgca catgccacca cgTTgagtcc cctggcccca atgcacccgc 180
acatggctgt cgtggcgact gatcggactg tcatcaccat cagtctgcct ctgcgcctta 240
agcttgcgac ctcacagggc cttAagtgcc gccagcgacg gttagacctg ctacgtgtcc 300
ttcgtgacac ggcgaaccga agaatgcaac'gtg 333

<210> 2688
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013d03b1

<400> 2688

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accaagcagc tgcacatgca cacgtgagcc gcaggcccca agcaccgcga catggctggc 180
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tgtcgaaccg gaaggatgac aacgtgaagg gaggacttac atgactcaca gccatgcaga 360
gtgcaagagc gagggtagca ggcaggagtt aacctaattgc atc 403

<210> 2689
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013d04b1

<400> 2689

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ttttaatctc aagggtttt gcccatctcc aatagctaac aagaactcct ctttctttac 120
aaatcccaaa acctttacta gactttttct gcttctttag cttacttcac ctagagtctt 180
ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca catcccatcc 240
caaagtataa gcgcccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300
agacac 306

<210> 2690

<211> 469

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013d06b1

<400> 2690

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caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca cctagagtct 180
tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac acatcccaac 240
ccaaagtata agcgcccacc tagtcctatc tagtccgaaa aatgcgaact agaactacat 300
gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat cggaataaga 360
cctcacatac actcacaagt tatatagggc ttgaaagaaa gtctagggtt ggggttgggg 420
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<210> 2691

<211> 504

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013d07b1

<400> 2691

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 tttaaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttate attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggtt aaaaagagtg atcaaatga 480
 ataagaaaat ccaagtattt tacg 504

<210> 2692
 <211> 314
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316013d08b1
 <400> 2692

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 tctacaaagc ccaaaacctc cactagactg cttctgctcc tttagctcac ttcagctaga 180
 gcccataacc ccccttagc attgactcaa cccctggtct gtttcgttgt agcacacatc 240
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 ctacatgaga cact 314

<210> 2693
 <211> 153
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316013d12b1
 <400> 2693

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 gctattcaac gagatggatt atactaaagc gccagatcc caatgacgag ctgcgacgac 120
 atgtccacca cgttgcagta gcgccgtggg ccc 153

ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa 240
 cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300
 tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
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<210> 2697
 <211> 187
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 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013e06b1

<400> 2697

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 gaccaaactc aaaatcgtga agatagtctt ggagcttcac caggtgactg aagctagagg 180
 gctcgac 187

<210> 2698
 <211> 514
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013e08b1

<400> 2698

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 agcgcccaga tccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180
 gggccccgaa tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg 240
 gcgacttgtc ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg 300
 ccgtgaccct gcaacaggtg gcccttcga agctgtccag ccacagccgc agcggcattg 360

agatcctcgt cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga 420
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gccccaatgc catggacgtt gccaacatga cgcc 514

<210> 2699
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013e10b1

<400> 2699

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agcgcccaga tcccaatgac gagctcgtcg acgatgtcca ccacgttgca gtcgcgccat 180
gggccccgaa tgcgaacccc gtcgacatgg cctgggtccgt tgtgccggta ctgcatccg 240
gcgacttgct ccattcgacc atccagttct cgccctctc gtcggcgctt cagagcttcg 300
ccgtgaccct gcaacaggtg gccccttcga agctgtccag ccacagccgc agcggcattg 360
agatcctcgt cctcgacgtt gctccccttc cgctagacac ggtgttcgtc aacctggaga 420
gcgaattgac aaaacggctg gagagcggcg agggcacctt ttacaaggac cattcgacaa 480
gccccaatgc caaggacgtt gccaacatga cgcccagga gcgtctagcc acggcgc 537

<210> 2700
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013e11b1

<400> 2700

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aaatcccaaa acctttacta gactttttct gcttctttag cttacttcac ctagagtctt 180
ctaccttttc ttatcattga atcaaccct ttttttttt cttttaaaca catcccaacc 240
caaagtataa gcgccacct agtcctatct agtccgaaaa atgcgaacta gaactacatg 300

agacactatc tctgtcgta cgaacctaac actttctacc aagcttaatc ggaataagac 360
ctcacaaca ctcacaagtt atatagggct tgaaagaaag tctaggtttg ggtttgggtt 420
aactgctcta ataaggagag tcagctactt ggattaaaaa gagtgatcaa aatgaataag 480
aaaatccaag tattttacgg catccatgag ttcaaatttg atgcagacat gataattaaa 540
gattagattc 550

<210> 2701
<211> 552
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013e12b1

<400> 2701

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ttcttttctt tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt 180
cacctagagt cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa 240
acacatccca acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa 300
ctagaactac atgagacact atctctgtcg ttacgaacct aacactttct accaagctta 360
atcggaataa gacctcaca acactcaca gttatatagg gcttgaaaga aagtctaggt 420
ttgggttttg gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat 480
caaaatgaat aagataatcc aagtatttta cggtatccat gagttcatat ttgatgccag 540
acatgataat ta 552

<210> 2702
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013f04b1

<400> 2702

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggcccct aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tcccattcga ccatccagtt ttggccctcc tcgtaggagc ttaaaagctt 300
cgccgtgacc ttgcaccagg gggccccttg gaagctgt 338

<210> 2703
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013f06b1

<400> 2703

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gcggccgggg ttgctacatg gcgcacgtga tgaaaagcct cctcgcggcc gcaggggctc 180
acgccaccct ttttaatttg taggccccca cctaggaccc cccgctgtgg aaggccgttg 240
gcctcccggc 250

<210> 2704
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013f07b1

<400> 2704

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tttcttttct ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta 240
aacacatccc aacccaaagt ataagcgccc acctagtcc atctagtccg aataatgcga 300
actagaacta catgagacac tatctctgtc gttacgaacc taacactctc taccaagctt 360
aatgggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420
tttgggtttg ggctaactgc tctaata 447

<210> 2705
 <211> 538
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013f08b1

<400> 2705

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 ctttcttttc tttaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
 aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgc cgatacgaac ctaacactct ctaccaagct 360
 taatcggaat aagacctcac aaacactcac atgttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggctaactg ctctaataag gagagccagc ttcttggtt gagaagagtg 480
 agcaaaatga ataagaaaat ccaagcgttt tacgggatcc atgagtgcaa atttgatg 538

<210> 2706
 <211> 304
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013g01b1

<400> 2706

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 tcttgTTTTT aacattttta tgccaagggc ttttgcccat ctccaatagc taacaagact 120
 cttttttttt acaaatcaaa acctactaac ttttgtttta ctactcacct aagctttact 180
 ttttatattg ataaccctt ttttttttaa acacatccac caagataagc cccacctagt 240
 ctattagtca aatgcacta aactacatag acactatttg cgtacaacct acactttacc 300
 aact 304

<210> 2707
 <211> 271
 <212> DNA

<400> 2709
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 atatgagttg acaaagaaaa gccgcagcag caaaacaacg agagacgcca acgctcaaaa 120
 gcgcccagat acccaaagac g 141

<210> 2710
 <211> 405
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316013g12b1

<400> 2710
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 ccgatcccg atcttcgccg ccggcgacgc cggttgagga ggtgatgggg gaggtgcgcg 120
 gtgctctata gcagctagta ggtgtagttc tagtttttcc ttagaggagt ttggcctagt 180
 gccggagatt ggcgtcatgc cgatgaggat tttgctgccg gcgcgcccga gccgcgttcg 240
 gtggttcctg gcgatactct tggttggtggg ggcggttggc tcgctgctgt tggaaggagg 300
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<210> 2711
 <211> 226
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316013h01b1

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 ctgcgtccaa ctaatccctg agaatccctt ccagcgcgaa tagcaaaggc ccacgtcgct 120
 tcaacagtgc agctgatgga aggaccccct gacggcataa cgcgtggggg ggtcccaggg 180
 ccgtcactga ggcctaggcc gtcttctttt cttctttccc gtcgcg 226

<210> 2712
 <211> 320
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013h02b1

<400> 2712

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tttttttaca aatcaaaacc ttactaactt ttgttttact acttacctaa gctttccttt  180
tttatattga taaccctttt tttttcttta aacacatcac ccaagataag cccacacctag  240
tctattatca aaatgcacta actactgaac actatttggtg acaacctaca ctttaccact  300
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<210> 2713

<211> 334

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013h03b1

<400> 2713

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tacctaagcg ccaatcaagc agctcgaca tgtcacacgt gagcccctgg cccaatgcac  180
ccgcacaggc tgctgtggcg actgaccgga ctgtcatcac catcagttgc ctctgtggct  240
taagttgcgg actgacgggg ccttaagtgc acccagcgag tgatgaatct gtctacgtgt  300
ccttcgtgac acggcgcaact gaaggatgca acgt                                     334
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<210> 2714

<211> 560

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013h04b1

<400> 2714

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<223> Clone ID: uC-tsfl9316013h09b1

<400> 2718

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ttttctttac aaatcccaaa acctttacta gactttttct gcttcttttag cttacttcac 180
ctagagtctt ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca 240
catcccaacc caaagtataa ggcgccacct agtcctatct agtccgaaaa atgcgaacta 300
gaactacatg agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc 360
ggaataagac ctcacaaaca ctcacaagtt atatagggtt tgaaagaaag tctagggtttg 420
ggtttggggtt aactgctcta ataaggagag tcagctactt ggattaaaaa gagtgatcaa 480
aatgaataag ataatccaag tattttacgg tatccatgag ttcaaatttg atgcagacat 540
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<210> 2719

<211> 443

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316013h10b1

<400> 2719

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cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180
cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240
acatcccaac ccaaagtata agcgccacc tagtcctatc tagtccgaaa aatgcgaact 300
agaactacat gagacactat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360
cggaataaga ctcacaaac actcacaagt tatatagggc ttgaaagaaa gtctagggtt 420
gggtttgggt taactgctct aat 443

<210> 2720

<211> 377

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316014a04b1
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 gggctagatc tttggtctag tcttgcgtag acagtgccta tggagcaact ataataatag 180
 tttaaattcg catagatatt tgtttccagc gtgttgaagt gatttagggg gtaatcatag 240
 ctaggttaac gtaggcgcag atcatgagat ggctgagtag caccgctttg gtgtttatcc 300
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 acttgattct acacaca 377

<210> 2721
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 <223> Clone ID: uC-tsfl9316014a07b1
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 gttttactac taccaagttt taccttttat attgataccc tttttttttt aacacatcac 180
 caagttacgc cactagtcta tttccgaaaa tgcactaact ctaaaccttt tgtgtcaacc 240
 tcactttacc actaatggta gactacaacc tac 273

<210> 2722
 <211> 255
 <212> DNA
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 <223> Clone ID: uC-tsfl9316014a08b1
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ttgttttact acttacctaa gttttacctt ttatatattgat accctttttt ttttttaaca 180
catcaccaag ttacgccact agtctattag tcgaaatgca actaactcta acacttttgc 240
gtcaacctac attta 255

<210> 2723
<211> 582
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316014a11b1
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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
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gccgtgacct tgcaacaggt ggccccctcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctcgcagct tgctccccct cgcctagaca cgggtgttcgt caacctggag 420
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<210> 2724
<211> 522
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316014a12b1
<400> 2724

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gttcgagaag aggccgaagc aattcggcat cgggtggcgcc cttccgcca agaaggacct 180
tcaccgcttc gttaagtggc ccaaggttgt gcgcatccag cgccagcgcc gcacccctaa 240

caccaagtta cgccactagt ctattgtcga aaagcactaa ctctgaaact atttgtgtca 240
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 aaatgtgaac tgtataagat aatagtaatg t 391

<210> 2727
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 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316014b05b1
 <400> 2727

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 agttgcgtgg cagtcctatg gagaaccaca aaatagtata atcctaacat ttgtttccag 180
 cgagctaata tgattta 197

<210> 2728
 <211> 234
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316014b06b1
 <400> 2728

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 tgggtgccaca atgccaaccc tgtgaacatg gcctgtttcg ttgtgcttgt actgcgatcc 180
 cagcactagg ccatgcgacc atccagttct atctctcctg gagggcgcta aata 234

<210> 2729
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 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
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CCS: 36300

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aatgacagct cgtcacgatg tccaccacgt tgcagtcgnc catgggcccc gatgcgaacc 180
ccgttacatg gcttggtccg tggccggtct gcgaccgna cttgtccatt cgaccatcca 240
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ggacattcac agcccatgc aggacgtgca acatgaccg agaggtagc acgggctagg 480
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<210> 2730

<211> 527

<212> DNA

<213> Triticum aestivum

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atgacagctc gcgacatgcc accacgtgag tcgccatggc cccaatgcaa ccccgctgac 180
atggctggtc gtgtgccggt actggatcgg gactgtcatt cgaccatcag tttcgctct 240
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<210> 2731

<211> 676

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014b11b1

<400> 2731

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tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta cctttttctta tcattgaatc aacccttttt tttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
ttgggttaac tgctctaata aggagagtca gctacttggga ttaaaaagag tgatcaaaat 480
gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
aattaaagat tagattcagg ttcaaattga tagggaatgg tatcagatca tgacaagtgt 600
ggcgagtaga gcaatctaag cattgggtcag tttttttttt tttcaattca ttgctatgca 660
acagacacta gcaacg 676

<210> 2732

<211> 678

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014b12b1

<400> 2732

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aacattttta agcttagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta gggttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480

aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattcaggt tcaaattgat agggaatggt atcagatcat gacagtgtgg 600
 tcgagtagag caaatctaag catggtcacg tttttttttt tttcaaatca ttgactatgc 660
 aacagacaac tagcaacg 678

<210> 2733
 <211> 527
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316014c03b1
 <400> 2733

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 caatgacagc tcgtgacatg tcaccacgtg agtcgcccac ggccccgaat gcaaccccg 180
 cgaatggctg gtcgtgtgcc ggtactggat ccgggattgt ccattcacca tcagtctcgc 240
 ctctcgtggg cttagagctt gcgtaccctg aacggtggcc cttcaagctg tcagccacag 300
 cgagcggatt gagatcctcg tctcgacgtg tccccttcgt agacacggtg tcgtaacctg 360
 agagcgattg caaacggtgg aagcgggagg gacctttaca agaccatcac agcccaatgc 420
 aggacgttgc acatgacccc gngagcgta gcacgggcta nggagtctca caccctaaga 480
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<210> 2734
 <211> 401
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316014c04b1
 <400> 2734

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 gacaagaatg ctgtgtgcta ttaacgagat cgattctaac ctcaagcgcc agatcaatgc 120
 nagctcgtga cgatgtccac cacttgagtc gcccatggcc ccgatgcgaa ccccgtcaca 180

tggctggtcg ttggccggta ctgcatccg gtacttgccc attcgaccat ccagtttcgc 240
 ctctcgtggg cttagagctt gcgtgacctg cacaggtggc cttcaagct gtcagccaca 300
 gcgagcggat tgagatctcg tctcacgttg ctcccttcgc taacacgggt tcgtcaacct 360
 gagagcaatt gcaaaacggg ggaagcggga gggcccttta c 401

<210> 2735
 <211> 56
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316014c05b1
 <400> 2735

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<210> 2736
 <211> 251
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316014c06b1
 <400> 2736

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 gcttgccatt catgctacag actttttttt ttacaaaatc caacctttac tagacttttg 120
 ttttactact tacctaagct ttacctttta tattgatacc cttttttttt ttaacacatc 180
 accaagttac gccaccttcc tattatcgaa agcactaact ctaacacttt tgcgtcaacc 240
 tcactttacc a 251

<210> 2737
 <211> 529
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316014c09b1
 <400> 2737

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 tgagcgacaa gaaatgctgt gtgctttaac gagatcgatt ctacctcaag cgccagatcc 120

catgacagct cgtcgacatg tcaccacgtt gagtcgcca tggccccaat gcaaccccg 180
cacatggctg gtcgttggcc ggtctgcgat cgggacttgc ccattcgacc atccattctc 240
gcctcctgtc ggncttagag cttcgcgtac cctgcacagg tggcccttca agctgtcagc 300
cacagcgagc ggattgaatc ctcgtctcga cgtgctccct tccgtagaca cgggtcgtaa 360
cctgagagcg aatgcaaacg gtggaagcgg gagggccctt tacaggacca tcacagcca 420
atgcaggacg tgcacatgac ccgagagctt agcacgggct anggcagtta cacctcagat 480
gtcatccgcg attgttcgtg cttgcgcgat ccgtctactg cgctaccgg 529

<210> 2738
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014c12b1

<400> 2738

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caccaggtt caaggcatag taattgcaat tttggttcgt tgcaccaatc atactgtagg 120
ggtctccctt atagtctttc tgtcaaaaag atggattttg acaccgcgcg cttccgtgac 180
cggttttctt cgcacaccag ccgtgcttcg agcagagttc tgaatgttgt acattgtagc 240
cagcgtatca catgcaaaaa cctacttggt tttgcatgaa tcttagcgta aaatcaatga 300
catatgactt tttcttgaaa tagatgtgca atacttagag cacatttaga tgtgctttag 360
caa 363

<210> 2739
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014d05b1

<400> 2739

ttgttacatc tagcggattt ggatttcttt aacaactaag gttcctgtta catttaagtc 60
aggcttgcca tctcatacta cagactcttt ttttttacia atccaaacta ctaacttttg 120
ttttactact tacctaagtt ttacttttta tattgataac cctttttttt tttaaacaca 180

tcaccaagtt agcgcccact gtctattgtc gaaatgcact aactactgaa cactatttgt 240
gtcaacctac actttaccac taatggatag acctccaacc taca 284

<210> 2740
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014d07b1

<400> 2740

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aggctttgcc attcaatact acagactgtt tttttttaca aatccagacc ttactaact 120
ttctgttttt agctacttca cctaagcttc tactttctta tatgataacc cttttttttt 180
tttaaacaca tccacccaag ataagcgcca cctatctatt agtcaaaatg cactaaactc 240
tgaaccttct tgtgtcaact acactttacc act 273

<210> 2741
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014d10b1

<400> 2741

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atgttttgggt caacagattc gcagttgagt tctcggtaga ttgtttttgc tcatacaagt 120
cgatatgaaa tgtttgtaca aaaaccgggt ccgctgttac agtatgaaat gtcgtttgtg 180
cttcctttgg gtatgtcgcg gcactagtta agagttgctc ggtgcactgc actggttcgt 240
ccaaattatt actgatgtat agtacctcca aaaaaaata accaccacgc ttatttgga 300
ttagacctca caaactca cgggggtccgt tttc 334

<210> 2742
<211> 312
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<210> 2747
 <211> 189
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316014e07b1

 <400> 2747

 ttttaacatt atagagttct gggcttctgc ccattcttcac tagatcacia gaactctttc 60
 tctgattttac aaatcccaac accactacta gagtttctct ggttcactag ctactagac 120
 ctagagcctt ctacatcatc tgatcatcgc aataaccctt ttcttttatt ctcttacaca 180
 catcccagc 189

<210> 2748
 <211> 495
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316014e08b1

 <400> 2748

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 ctttacagat cccaaaacct ttactagact ttgtctgctt ctttagctta cttcacctag 120
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 180
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 240
 tacatgagac actatctctg tcgttacgaa cctaactn tctaccaagc ttaatcgga 300
 taagacctca caaactca caagttatat agggcttgaa agaaagtcta ggtttggtt 360
 tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt gatcaaatg 420
 aataagaaaa tccaagtatt ttacgggatc catgagttca natttgatgc agacatgata 480
 attaaagata gattc 495

<210> 2749
 <211> 648
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations

<223> Clone ID: uC-tsfl9316014e10b1

<400> 2749

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cctgttttta acattttaaa gccaaagggt tttgcccata tccaatagct aacaagaact 120
ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggtt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
cacatgataa ttaaagatta gattcagggt caaattgata gggaaatggat cagatcatga 600
cagtgtggtc gagtagagca atctaagcat cggtcagntn tttttttt 648

<210> 2750

<211> 560

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014e11b1

<400> 2750

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gcacatgagc attctaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgagcc 180
atgggccccg aatgcgaacc ccgtcgacat ggctgggccc gttgtgccgg tactgagatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggagc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtctccct tccgctagac acggagtctg tcaacctgga 420
gagcgaattg acaaaacggc tggagagcgg ctagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggac ttgccaacat gacgcccag gagcgtctag ccacggcgct 540

cagggcagct ttaagcacc

560

<210> 2751
<211> 471
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316014f01b1

<400> 2751

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aggcctgttt ttaacatttt aaagccaagg gcttttgccc atctccaata gctaacaaga 120
actctgtctt ttctttacaa atcccaaaac ctttactaga ctttttctgc ttcttttagct 180
tacttcacct agagtcttct accttttctt atcattgaat caaccccttt ttttttttct 240
tttaaacaca tccaaccca aagtataagc gccacctag tcctatctag tccgaaaaat 300
gcgaactaga actacatgag acactatctc tgtcgttacg aacctaacac tttctaccaa 360
gcttaatcgg aataagacct cacaacact cacaagttat atagggttg aaagaaagtc 420
taggtttggg tttgggttaa ctgctctaata aaggagagtc agctacttgg a 471

<210> 2752
<211> 529
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316014f05b1

<400> 2752

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cctgttttta acattttaaa gccaaagggt tttgcccac tccaatagct aacaagaact 120
ctttcttttc ttacagatc ccaaaacctt tactagactt tttctgcttc ttttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcy 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gacagtctag 420

gtttgggttt gggtaactgc tctaatagga gagtcagcta cttggataaa aagagtgatc 480
 aaaatgaata agacaatcca agtatgttac ggtatccatg agttcaaata 529

<210> 2753
 <211> 254
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014f06b1

<400> 2753

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 tgactttttg ttttttagcta cttacctaag ctttcctttt atcatgatac cctttttttc 180
 ttacacatc acccaagtta gcgcccctat ctattgtcga aaatgcactg actactgaac 240
 ctatttgtgt acac 254

<210> 2754
 <211> 426
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014f09b1

<400> 2754

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 catcaagaag ctgtgtgttt aacgagacat ttacctaagg ccaatccaat gcagctgtgc 120
 atgccaccac gtgcatgccc tggcccaagc aaccccgcac tggctgtcgt ggcgtctgca 180
 ccgactgtca tcaccatcag ttgcctctgt gccttaagtc gcgacctgac ggggccttaa 240
 gtgcaccaca gcgagggatg gactgtccac gtgtctttcg tgaacggtcg aactgaagcg 300
 atgcaacggt gaagcggagg acttaaggcc tcacagccca agcggcgtgc aatgaccag 360
 aggtagcacg ctaggagttc aacctaatac atcgcatgtt cgtgcttgcg cgatcgtcta 420
 ctgcct 426

<210> 2755
 <211> 456
 <212> DNA

<223> Clone ID: uC-tsfl9316014g06b1

<400> 2759

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taagccagct ttgccatctc atagctacag actctttttt ttttcaatcc aacctttact 120
gactttttgt tttagcttac ttacctaagt ttacctttt atattgatca cccctttttt 180
tttctttaaa cacatcacc aagatagcgc ccctagtcta ttagtcgaaa tgcaactaac 240
tactgaacac tatttgtgtc aacctacact t 271

<210> 2760

<211> 262

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316014g07b1

<400> 2760

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ttaagccagc tttgccatct cactactacag actttctttt ttacaaatcc aacctttact 120
aacttttggt ttactactta cctaagtttt actttttata tgataccct tttttttttt 180
taaacacatc acccaagata acccccctat ctattatcga aatgcactaa ctctgaacac 240
ttttgtgaca acctaacatt ta 262

<210> 2761

<211> 650

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316014g10b1

<400> 2761

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tcctgttttt aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac 120
tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt 240
taaacacatc ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc 300

gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
 ttaatcggaa taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420
 ggtttgggtt tgggttaact gctctaataa ggagagtcag ctacttgat taaaaagagt 480
 gatcaaaatg aataagaaaa tccaagtatt ttacggatc catgagttca aatttgatgc 540
 agacatgata attaaagatt agattcaggt tcaaattgat aggggaatgg atcagatcat 600
 gacagtgtgg tcgagtagag caatctaagc aatgttcagg tttttttttt 650

<210> 2762
 <211> 538
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014g12b1

<400> 2762

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 aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgccgacatg gcctggaccg gtgtgcccgt actgcgatcc 240
 ggggacttga accattccac catccagttc tcgccctcct cgacggcgct ttagagcttc 300
 gccgtgacct tgtaacaggt ggcccccttcg aagctgtgca tccacaggcg aatcggcatt 360
 gagatcctcg tctcgcactg tgctccccct gcgctagaca cgggtgttcgt caacctgtag 420
 agcgaattga caaacgggt ggagagcggg gagggcacct tttacaagga ccatccgaca 480
 agccccaatg ccaaagacgt tgacaacatg acgcccgaag agcggtttata cacggcgc 538

<210> 2763
 <211> 430
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014h02b1

<400> 2763

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atgtcaccac tgcattgccag gcccgatgca ccccgacacat ggctgtcgtg gccgctgatc 180
gcactgtcat tcacatcatt tgcctctgtg ccttaagttg cggacctgca cagggcctta 240
agtgcacca gcgagggatg aacctgtcca cgtgtccttc gtgacacggt tgaactgaga 300
gcatgcaacg gtgaagcggg agcctttaca agacatccag ccaagcagct tgcacatacc 360
cagaggtaga cgctaggagt tacactcaat gcatcggtat ttctgcttcg cgatcgtcta 420
ctgcgctacg 430

<210> 2764
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014h03b1

<400> 2764
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aagccgggct tgcctctcat agctacagac tctttttttt tcaatcaaaa cctactagac 120
tttctgtttt actactcact aagtctttac ctttctatat tgataaccct tttttttttt 180
taaacacatc acccaagata gccacctat ctattatcaa aagcaactaa actctgaacc 240
tatctt 246

<210> 2765
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014h06b1

<400> 2765
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actcaagaag ctgtgtgttt aacggacatt tacctaagcg ccaatcaatg cagctcgac 120
atgtcaccac tgcattgccct ggcccgaatg cccccgcac atggctgtcg tggccgctga 180
tccgactgtc attcaccatc agtctgcctc tgtgccttaa cttgcggacc tgccagggcc 240
ttaactgcac ccagcgacgg ttaatctgtc cacgtgtcct tcgtacacgg ttgaactgaa 300
ggatgcaaac gtgaagggga gcctttcagg ccatcacagc catgcagact gcacatacgc 360

cagaggtagc cgcttaggag ttacacctaa tgcacgcga tgcctgtgctt gccatcgtct 420
actgcct 427

<210> 2766
<211> 651
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316014h11b1

<400> 2766

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ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggtatt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagatta gattcaggtt cacattgata gggaatggta tcagatcatg 600
acagtgtggt cgagtagagc aatctaaggc atggtcagtt tttttttttt c 651

<210> 2767
<211> 623
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015a05b1

<400> 2767

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taacatttta aagccaagggt cttttgccca tctccaatag ctaacaagaa ctctttcttt 120
tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta ctttttctta tcattgaatc aaccctttt tttttttctt ttaaacacat 240

gcgacttgtc ccattcgacc atccagttct cgcctcctc gtcggcgctt cagagcttcg 300
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 agatcctcgt cctcgacgtt gctccccctc cgctagacac ggtgttcgtc aacctggaga 420
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 <211> 423
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015a09b1

<400> 2770

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 ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt tttttctttt taaacacatc 240
 ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
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 ggg 423

<210> 2771
 <211> 575
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015a10b1

<400> 2771

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 tttaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240

gttctccgac ctcttcccg acctagcaaa tggtaagcca agaaagccaa ctgacggcat 60
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 cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
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 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat gccaaaggacg ttgccaacat gacgcccag gagcgtctag ccacggcgct 540
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<210> 2774
 <211> 583
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316015b06b1
 <400> 2774

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgatc 240
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 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
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<210> 2775
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 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015b07b1

<400> 2775

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc  180
ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa cacatcccaa  240
cccaaagtat aagcgcccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca  300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag  360
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<210> 2776

<211> 639

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015b10b1

<400> 2776

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tttacaaatc caaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga  180
gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc  240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact  300
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aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt  420
gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagt atcaaaatga  480
ataagaaaat ccaagtatct tacggtatcc atgagttcaa atttgatgca gacatgataa  540
ttaagatta gattcagggt caaattgata gggaatggta tcagaacatg acagtgtggt  600
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<210> 2777

<211> 498
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015b11b1

<400> 2777

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 gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagt atcaaaactga 480
 ataaaaaac ccagtttt 498

<210> 2778
 <211> 348
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015b12b1

<400> 2778

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 attaacgta tccatgattt catcgagcca gggcataaga tcttctggct ctcatgcttt 180
 gacgtggga cagctgcgt aatggtagca aacctatcaa ataaataagt tataaaattc 240
 gccatagatc atctttgctc ttccaaagaa cacgttatga atgtcggatt gtgacgagat 300
 aatcaattca attgcctatg ggttcaacag gtcagggcgt tgagcaat 348

<210> 2779
 <211> 582
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015c01b1

<400> 2779

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaacct cgctgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
ggcgacttgt ccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
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gagatcctcg tctcgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaacgggt ggagagcggc gagggcacct tttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgcccagg agcgtctagc cacggcgctc 540
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<210> 2780

<211> 566

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015c02b1

<400> 2780

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gcacatgagc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaacct cgctgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
ggcgacttgt ccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgacct tgcaacaggt ggccccctcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctcgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaacgggt ggagagcggc gagggcacct tttacaagga ccatccgaca 480
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agggcagctc tcagaccct caagat 566

<210> 2781
 <211> 590
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015c05b1

<400> 2781

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 ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
 tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
 aaccctaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
 catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
 agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
 ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga tcaaatgaa 480
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<210> 2782
 <211> 609
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015c06b1

<400> 2782

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 ttacaaatc caaaacctt tactagactt ttctgcttc ttagcttac ttcacctaga 180
 gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caaccctaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420

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203

<210> 2785
<211> 524
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316015d06b1

<400> 2785

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gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
aatgctaacc ccgtcgacat ggcttgacc gatgtgccgg tactgcgacg cggcgacttg 240
tcccatcga ccatccagtt ctgcacctcc tcgtggggcg ttcagagctt cgccgcgacc 300
ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat tgagatcctc 360
gtcctcgacg ttgctaccct tacgctagac acggtgttcg tcaacctgga gagcgaattg 420
acaaaacggc tggagagccg cgagggcacc ttttacgagg accatncgac aagtcccaat 480
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<210> 2786
<211> 449
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 2786

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caaaaccttt actagactat ttctgcttct ttagcttact tcacctagag tctcctacct 180
tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc aacccaaagt 240
ataagcgcgc acctagtcct atctagtcgc aaaaatgcga actagaacta catgagacac 300
tttctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360

aacactcaca agttatatag ggcttgaaag aaagcttatg tctggggttg ggtaactgc 420
tctaataaag agagacagct tcttggatt 449

<210> 2787
<211> 583
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015d09b1

<400> 2787

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gcgcccagat cccaatgacg agctcgtcga cgatgtccac cacgttgacg tcgcccagatg 180
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cgaattgaca aaacggctgg agagcggcga gggcaccttt tacaaggacc attcgacaag 480
ccccaatgcc aaggacgttg ccaacatgac gcccgaggag cggctagcca cggcgctcaa 540
ggcagctttc agcaccctca agattgtcca ttccggcgat ttg 583

<210> 2788
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015d12b1

<400> 2788

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaaga 465

<210> 2789
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015e01b1

<400> 2789

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caacctggag agcgaattga caaaacggct ggagagcggc gagggcacct ttacaagga 480
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<210> 2790
<211> 564
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 2790

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
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ggcgacttgt cccattcgac catccagttc tgcgcctcct cgtcggcgct tcagagcttc 300
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gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cgggtgttcgt caacctggag 420
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<210> 2791
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015e04b1

<400> 2791

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tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt atttagctta 180
cttcacctac agtcttctac ctgttcttat gatggagaca accccttttt tgatttcttt 240
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aaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
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<210> 2792
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015e07b1

<400> 2792

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 cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
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<210> 2793
 <211> 153
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015e09b1

<400> 2793

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 aaagcgccca gatcccaatg acgagctcgt cga 153

<210> 2794
 <211> 651
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015f01b1

<400> 2794

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 tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
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ggtttgggtt tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt 480
 gatcaaaatg aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc 540
 agacatgata attaaagatt agattcaggt tcaaattgat aggggaatggt atcagatcat 600
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<210> 2795
 <211> 623
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015f02b1

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<223> Clone ID: uC-tsfl9316015f04b1

<400> 2796

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cgacgtacag ccttatcgac atcttcgaca tgctggcctc gtcgccggag taccggagca 180
 tggcggaggc agttgaacgg ttcaatggcg ggaacagggtg gaagaagcgc ggcatttcgt 240
 gcgtgcctga tcacctacga ggtgaccctc cggccgacgc cggggaaggt gtccatcctg 300
 aacgaccgct cgatcgctgt ggtggtcggc tgcgtggagc tcgggcaatg gctgtatacc 360
 aaggtgaagc agatgacgga gttcgggctg cgggagctct gtaccgacgc cgacgggctg 420
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 <212> DNA
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<223> Clone ID: uC-tsfl9316015f05b1

<400> 2797

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 tacttcacct acagtcgtct acctgttctt atgatcgaga caacccttt attgatttct 240
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 gcaaactaga actacatgag acactatctc tggcggtagc aacctaacac ttcttaccaa 360
 gcttaatcgg gataagacct cacatacact cacaagttat atagggcttg aaagaaagtc 420
 taggttaggg ttcgggctaa ctgctctaata taggagagtc agctacttgg attaaaagga 480
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<210> 2798
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 <212> DNA
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<223> Clone ID: uC-tsfl9316015f06b1

<400> 2798

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ctttcttttc ttacaaaatg ccaaaccttt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cccttttttt ttttgtttta 240
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actagaacta catgagacac tatctctgtc gatacgaacc taacactttc taccaagctt 360
aataggaata agacctaaaca aacactcaca agttatatag ggcttgaaag aaagcctagg 420
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<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015f07b1

<400> 2799

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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tacctgagac actatctctg tgggtaccaa cctaacttt tctaccaagg ttaatcgga 360
taagacctcc caaacactca caagttatat agggctttga aaaaaagact aagggtgggg 420
ttggggtaac tgctctaata aagagagtca gcttcttggg tttaaaagag ggagcc 476

<210> 2800
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015f08b1

<400> 2800

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aagcgcgccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agacgcgcca 180
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 gagatcctcg tctcgcagct tgctgccctt ccgatagaca cgggtgttcgt caacctggag 420
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<210> 2801
 <211> 511
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggctgggtcc gttgtgccgg tactgcgatc 240
 cggcgacttg tccattcgga ccatccagtt ctgccctcc tcgtcggcgc ttcagagctt 300
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 ttggagaacc tcgtcctcga cgggtggccc ttccggtaga caggtgggtc gtcaacctga 420
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 cagcccatg ccaaggacgt tgccaacatg a 511

<210> 2802
 <211> 561
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 <400> 2802

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgccaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
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gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accattcgac 480
aagccccaat gccaaaggacg ttgccaacat gacgcccagag gagcgtctag ccacggcgct 540
cagggcagct tttagacccc t 561
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<210>      2803
<211>      337
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsfl9316015f11b1

<400>      2803
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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
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<210>      2804
<211>      228
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsfl9316015f12b1

<400>      2804
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aacatttttaa agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta ctttacctag 180
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<210> 2805
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015g01b1

<400> 2805

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acctcaaagc gccagatcc caatgacgag ctctgctgacg atgtccacca cgttgcagtc 180
gcgccatggg ccccgaaatgc gaaccccgtc gacatggcct ggtccggttg gccgggtactg 240
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ctggagagcg aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat 480
ccgacaagcc ccaatgccaa ggacgttgcc aacttgacgc ccgaggagcg tctagccacg 540
gcgcttaggg cagc 554

<210> 2806
<211> 586
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316015g03b1

<400> 2806

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ctgacggcat tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga 120
ttctaacctc aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg 180
cagtcgcgcc atgggccccg aatgcgaacc ccgtcgacat ggctgggtcc gttgtgccgg 240

tactgcgatc cggcgacttg tcccattcga ccatccagtt ctcgccctcc tcgtcggcgc 300
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 gcagcggcat tgagatcctc gtcctcgacg ttgctccccct tccgctagac acggtgttcg 420
 tcaacctgga gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg 480
 accatccgac aagccccaat gccaaaggacg ttgccaacat gacgcccag gagcgtctag 540
 ccacggcgct canggcagct ctcagcacc tcaagattgt ccattc 586

<210> 2807
 <211> 583
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015g06b1

<400> 2807

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 acctcaaagc gccagatcc caatgacgag ctcgctcgacg atgtccacca cgttgcagtc 180
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 cgatccggcg acttgctcca ttcgaccatc cagttctcgc cctcctcgtc ggcgcttcag 300
 agcttcgccg tgaccctgca acaggtggcc ccttcgaagc tgtccagcca cagccgcagc 360
 ggcatcgcac tcctcgtcct cgacgttgct ccccttcgcg tagacacggt gttcgtcaac 420
 ctggagagcg aattgacaaa acggctggag agcggcgagg gcacctttta caaggaccat 480
 ccgacaagcc ccaatgccaa ggacgttgcc aacatgacgc ccgaggagcg tctagccacg 540
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<210> 2808
 <211> 277
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015g08b1

<400> 2808

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caggttgcca ccaagggggg gaggaagtcg gggccgacca ccggcggagt gaagaagccc 180
caccgctaca ggccggggac cggggcgctt cgggagatcc gcaagtacca aaagagcacg 240
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<210> 2809
<211> 590
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316015g09b1

<400> 2809

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tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatn tgatgcagac atgataatta 540
aagattagat tcaagttcaa attgataggg aatggatatca gatcatgaca 590

<210> 2810
<211> 642
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316015g10b1

<400> 2810

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aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tcttttcttt 120

ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
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 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatntgatgc agacatgata 540
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<210> 2811
 <211> 602
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316015g12b1
 <400> 2811

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 aagcttgatt tttatgaaac ccttggctctg ctagattctt gccagaacgg ctatatcgat 480
 ggcttccaag caatttcaga ccaaaaacca tctgatttta catcagcaac aacaacagcg 540
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<210> 2812
 <211> 622

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316015h01b1

 <400> 2812

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 tcacctagag tcttctacct tttcttatca ttgaatcaac cctttttttt ttttctttta 240
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<210> 2813
 <211> 561
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316015h02b1

 <400> 2813

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 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
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 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt ggggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480

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gacatgataa ttaaagatta g 561

<210> 2814
<211> 585
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015h05b1

<400> 2814

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<210> 2815
<211> 601
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015h06b1

<400> 2815

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aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaaatga ataagaaaat ccaagtatct tacggtatcc atgagttcaa atttgatgca 540
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<210> 2816
 <211> 57
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316015h09b1

<400> 2816

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<210> 2817
 <211> 178
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016a02b1

<400> 2817

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 tctggggcgc atgccaccag ggtgcacatg ggccttgggc cccagaaggc taactgcg 178

<210> 2818
 <211> 519
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016a05b1

<400> 2818

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
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 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtccctcgacg ttgctccccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accattcgac 480
 aagccccaat gccaaaggacg ttgccaacat gacgcccga 519

<210> 2819
 <211> 504
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016a09b1

<400> 2819

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 tgagcagaca aagttatgct gctgctgcta ttcaacgaga tcgattctaa cctcaaagcg 120
 cccagatccc aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc 180
 cccgaatgcg aaccccgtcg acatggcctg gtccgttgtg ccggtactgc gatccggcga 240
 cttgtcccat tcgaccatcc agttctcgcc ctctctgctg gcgcttcaga gcttcgccgt 300
 gacctgcaa caggtggccc ctctgaagct gttagccac agccgcagcg gcattgagat 360
 cctcgtcctc gacgttgctc cccttcgct agacacgggtg ttcgtcaacc tggagagcga 420
 attgacaaaa cggtggaga gcggcgaggg caccttttac aaggaccatc cgacaagccc 480
 caatgccagg acgttgccac atga 504

<210> 2820
 <211> 523
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016a10b1

<400> 2820

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gcacatgagc agacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcatcc 240
ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctcgcagct tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaacgggt ggagagcggc gagggcacct tttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgcccagg agc 523

<210> 2821
<211> 452
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016a11b1
<400> 2821

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acggctatcg cccatgtgcg ataactatga agaactcttt attttttttg ctgttgccctg 120
accttgacta gactgtgtcc gctcaatttg gcttacttaa ggtactgtgt tgtccctgtt 180
tttatgatgg ggagaacccg tctaatgatg aattgtaagc acatctcagc tcaactgggtg 240
agcaccacc tcgtgctatc tagctcgcag agagcaaact agaactgcat gtgacactgt 300
ctctgttgat acaagcctat cactacctac cagagcttaa ttggaatata gacctcacia 360
aactcacia gtgatatagg gctcgtgaga aagcctaagt tagggttcgg gctaactgct 420
ctaataatga gagctggctt cttggattaa aa 452

<210> 2822
<211> 615
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016a12b1
<400> 2822

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caacactttg ttacatctag cggatttga tttctttaac aactaagggt cctgttttta 60
acattttaaa gccaaagggt tttgccatc tccaatagct aacaagaact ctttcttttc 120
tttacaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagaccttac aaaccctcac aagttatata gggctttgaa gaaagtctag gtttgggttt 420
ggggt 425

<210> 2825
<211> 509
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016b03b1
<400> 2825

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attttaaagc caagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt 120
tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcaca acactcaca gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
gttaactgct ctaataggag agtcagctac ttggattaaa aagagggatc aaaatgaata 480
agagaatcca agtattttac tgtatccat 509

<210> 2826
<211> 390
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016b04b1
<400> 2826

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gcattctaaa gataaggtgt tgtggccatc tacagtggct gacaagaact ttttcgtgcc 120
tttacacaaa cgacaagctt gactagactg tccatgatgc tgcagctgac gccagggcca 180
ggattgtaca cttttcgtat catggaactg acccgtgtgc cttgtctgtg aaacacatac 240
tagcccaaag tatacgcgcc cacctagtcc tatctagtgc gaataatgcg aactagaact 300
acatgagaca ctatgtctgt tggtagaac ctaacacttt ctaccaagct tattcggact 360
aagacctcac aaacactcac atgttattta 390

<210> 2827
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016b05b1

<400> 2827

ttctccgacc tcttcccga cctagcaa at ggtaagccaa gaaagccaac tgacggcatt 60
gcacatgagc atacaaagaa atgctgctgc tgctattcaa cgagatcgat tctaacctca 120
aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcccgt actgcatcc 240
ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgacct tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tcctcgacgt tgctcccctt ccgctagaca cggttgttcg tcaacctgga 420
gagcgaattg acaaaacggc tggagagccg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggac ttgccaacat gacgcccag gagcg 525

<210> 2828
<211> 547
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016b06b1

<400> 2828

ctcaacactt tggtacatct agcggatttg gatttcttta acaactaagg ttctgtttt 60
 taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120
 tctttacaaa tcccaaaacc ttactagac tttttctgct tctttagctt acttcaccta 180
 gagtcttcta ccttttctta tcattgaatc aacccctttt ttttttctt ttaaacadat 240
 cccaacccaa agtataagcg ccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
 ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
 ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttggg ttaaaaagag tgatcaaaat 480
 gattanaaaa atccangtat ttacggtat ccatgagttc aaatttgatg ccgacatgat 540
 aattaaa 547

<210> 2829
 <211> 245
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016b07b1

<400> 2829

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 tctgcttctt tagcttacta cacctacaat cccctacctt tttttatgat tgaatcaagc 120
 ccccttgctt attcccttta tacacatcct agcccaaagt ataagcgccc accgagatct 180
 atctaccccg aaaaatgcta actagaacta cccgagacac tatctatggt tgttaccacc 240
 ctaac 245

<210> 2830
 <211> 490
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016b08b1

<400> 2830

gttctccgac ctcttcccgcc acctagcaaa tggttaagcca agaaagccaa ctgacggcat 60
 tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120

aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc 240
 cggcgacttg tcccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtctctgacg ttgtctcccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat 490

<210> 2831
 <211> 638
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316016b09b1

<400> 2831

tcaacacttt gttacatcta gcggatttgg atttctttaa caactaaggt tcctgttttt 60
 aacattttta agccaagggc ttttgcccat ctccaatagc taacaagaac tctttctttt 120
 ctttaciaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
 agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
 ccaaccctaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
 tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
 taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
 tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
 aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
 attaaagatt agattcaggt tcaaattgat aggggaatgg atcagatcat gacagtgtgg 600
 tcgagtagag caatctaagc atggttcagt tttttttt 638

<210> 2832
 <211> 616
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316016b10b1

<400> 2832

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taacatttta aagccaaggg cttttgccca tctccaatag ctaacaagaa ctctttcttt 120
tctttacaaa tcccaaaacc tttagtagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta cctttttctta tcattgaatc aaccctttt tttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtcgttacga acctaactt ttctaccaag cttaatcgga 360
ataagacctc acaaactctc acaagttata tagggcttga aagaaagtct aggtttgggt 420
ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat 480
gaataagaaa atccaagtat tttagcggtat ccatgagttc aaatttgatg cagacatgat 540
aattaaagat tagattcagg ttcaaattga tagggaatgg tatcagatca tgacagtgtg 600
gtcgagtaga gcaatc 616

<210> 2833

<211> 568

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016b11b1

<400> 2833

gtaatgccac gactgccgac tgtgggcatt gcacatgagc ggacaaggat atggtgctgc 60
tgctattcat cgcgagcgat tttaacctta ttgcgcccag atcccaacga cgagctagtc 120
tacgatgttc accacgttgc tgtagctcca tgggcccacc ttgcgatccc cgtggacatg 180
gcctgggtccg ttgtgcctgt acatgcgac cggcgacttg tcccatcga ccatccagtt 240
ctagctctcc tcgaaggcgc taaatagctc tgccgggacc atgctacagg tggtccttaa 300
caagctgctc agtcacaggc gtagtgggat tgagatccta gaactactcg ctggttctct 360
tgcgctagac acagagttca tgaacctgga gagcgaatcg gcaaaactgc tggaaagcgg 420
ctacggcacc ttttacgagg gccatacgtc aagccccaat gccaaaggacg ttgccgacat 480
gacgacctca gaggtgctag ccacgtggct catggcgatt atatgcaccc tcaaaattgt 540
ccattccgcg atttgtttca ctgctttg 568

<210> 2834
 <211> 607
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316016b12b1

<400> 2834

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 acattttaaa gccaaagggt tttgcccac tccaatagct aacaagaact ctttcttttc 120
 ttacaaaac ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480
 ataagaaaat ccaagtattt tacggtatcc atgagttcaa atntgatgca gacatgataa 540
 ttaaagatta gattcacgtt caaattgata gggaatggta ttagatcatg acagtgtggt 600
 cgagtag 607

<210> 2835
 <211> 131
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316016c01b1

<400> 2835

 gcacagtgcg aatgctttta cacttaatg ccgctgccct aaacactggg tatttcacgg 60
 ctatcgcca ctgcgtcact aagaagaact ctgtctcttt tttgctgatg gatgaccctg 120
 actagacttt g 131

<210> 2836
 <211> 640
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016c02b1

<400> 2836

taacactttg ttacatctag cggatttga tttctttaac aactaagggt cctgttttta 60
acattttaaa gtcaagggtt tttgcccata tccaatagct aacaagaact ctttcttttc 120
tttacaatac ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata ggggcttgaa agaaagtcta ngtttgggtt 420
tggtttaact gctctaataa ggagagtcag ctacttggtat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aaattgatgc agacatgata 540
attaaagatt agattaggtt caaattgata gggaatggta tcagatcatg acagtgtggt 600
cgagtagagc aatctaagca ttgttcagnt tttttttttt 640

<210> 2837

<211> 445

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016c03b1

<400> 2837

tcttaacaaa tttacacgct ccttgcattt cgtgttctcc ccaaataat tactgcatct 60
ttttttccat cccaccata ttatcacgc aaaaatgggt gaccacggta tatcctcaca 120
gctactccta tcacacaggt tatcatagag ccattcaaac agagataccg aaaacgaacc 180
cctgctgcct ccttcgcggc acaaactga ccaaattccc caattgagct ggacagtctc 240
taagcacgtg aagcacagat tcaactccac ctttacaac ctgagacaca ttcgaggcgc 300
taagatgtct tcgatgccgt tcctcatctg tcataactat gtccagattg gatatatata 360
ttgtctggct atacttatat ttatatatat ttggcctgaa tataactatt acttttgatt 420
atgtgttaaa catgtccatg gattt 445

<210> 2838
 <211> 615
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316016c05b1

 <400> 2838

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 acatttttaa gccaaagggt tttgcccata tccaatagct aacaagaact ctttcttttc 120
 ttacaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaatga 480
 ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgataa 540
 ttaaagatta gattcagggt caaattgata gggaatggta tcagatcatg acagtgtggg 600
 cgagtagagc aatct 615

<210> 2839
 <211> 639
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316016c06b1

 <400> 2839

 gctaacactt tgttacatct agcggatttg gatttcttta acaactaagg ttctgtttt 60
 taacatttta aagccaagggt cttttgcca tctccaatag ctaacaagaa ctctttcttt 120
 tctttacaaa tcccaaaacc ttactagac ttttctgct tctttagctt acttcaccta 180
 gagtcttcta cttttcttta tcattgaatc aaccctttt ttttttctt ttaaacacat 240
 cccaaccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
 ctacatgaga cactatctct gtcgttacga acctaactt ttctaccaag cttaatcgga 360

ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420
 ttgggttaac tgctctaata aggagagtca gctacttga ttaaaaagag tgatcaaaat 480
 gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
 aattaaagat tagattcagg ttcaaattga tagggaatgg tatcagatca tgacagtgtg 600
 gtcgagtaga gcaatctaaa gcatggtcag gtttttttt 639

<210> 2840
 <211> 650
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316016c07b1
 <400> 2840

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 tttaaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgag aactagaact 300
 acatgagaca ctatctctgt cggtacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 ggggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480
 ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgataa 540
 ttaaagatta gattcagggt caaattgata gggaatggta tcagatcatg acagtgtggt 600
 cgagtagagc aatctaagca tggtcacggt tttttttttt aaatcattgc 650

<210> 2841
 <211> 556
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316016c08b1
 <400> 2841

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 ttacaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480
 ataagacaat ccaagtattt tacgggatcc atgagttcaa atttgatgca gacatgataa 540
 ttaaagatta gattca 556

<210> 2842
 <211> 296
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016c09b1

<400> 2842

aacaggaact cagaactttt ttttctgttt acaaaaccct aaaccgacac tagacgttct 60
 ctgggcttat agctgacttc agcctagagc cttgtaccta tgagtgagaa tcaccaaccc 120
 cttttttttt ttactcaaac acaccccaac ccaaagcatc cgcgccgcac ctatctacta 180
 tctaggccga aaaatgcgaa ctacaactac atgtagacac tattgttgta gccacaaacc 240
 taacactgtg caccaagggtg aatcggccta agacctcaca aacacttaca agggat 296

<210> 2843
 <211> 515
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016c10b1

<400> 2843

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 acatttttaaa gccaagggtt tttgcccata tccaatagct aacaagaact ctttcttttc 120
 ttacaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180

ggcttcttac cttttcttat cattgaatca accccttctt gtttttcttt taaacacatc 240
ccaacccaaa gtttaatcgc ccacctagtgc ctatctagtgc cgaaaaaggc gaactcgaac 300
tacgtgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctta caaacactca caagttatat agggctggaa agaaagtcta gggtcgggtc 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcgacatg 480
aataagaaaa tcccagtatt ttacggcatc catga 515

<210> 2844
<211> 508
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016c11b1

<400> 2844

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cagaccccaa tgacgagctc tgctacaatg tccaccactt tgcagttgcg ccatgggccc 180
cgtatgcaga acccgcgcga catggactgg tccgttgtgc cggttctgcg atccggcgac 240
tagtccatt cgaccatgca gatctagccc tacttgaggg cgcttcagag atttggcgcg 300
accctgcgac actgtggtcc cttggaagct gtccagccac agccgcagcg gtattgagat 360
cctcgtcctc gacgatgctc ccctttcgct tgacactgtg ttccgacaac ctggagaggg 420
aattgacaaa acggctggag agtggggagg gcacctttta caaggaccat accggcaagc 480
cccaatgcct aggacgttgc cacatgac 508

<210> 2845
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016d02b1

<400> 2845

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aaggcgccca tagccgaacg acaagctcgt ctgcgatgta caccaggttg ctaatgggcc 180
atgggccccg aatgcgaact ccggacgaca tgcgcctgct aacgatgagc ctgaactgcc 240
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atctgccgcg accctgcagc aagtggcccc ttgaaagctg tgcacaccac ggcctgagct 360
ggattgagat cctcgttctc gacgttgctg ctgttgcat agacacggtg tccatcaacc 420
tgagagcga attgacaaaa ctgttgaga gcggcgaggt caccttttag aaggaccata 480
cgagaagtcc caatgccaa gacgtttcca acatg 515

<210> 2846
<211> 487
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016d03b1
<400> 2846

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cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180
cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240
acatcccagc ccaaagtata agcgcccacc tagtcctatc tagtccgcga aatgcgacct 300
cgagctacac tatacattat ctctgtcgtt acgaacctaa cactttctac caagcttaat 360
cggaataaga cctcacaac actcacaagt tgtttgaggc tagaaagaga gtcgtgggtg 420
gggtactgct ataatgctga gagacagcta cttggattct tgggtgtgat cgagtggctc 480
aagagaa 487

<210> 2847
<211> 550
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016d04b1
<400> 2847

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgcccgt actgcgatcc 240
ggcgacttgt cccattcgac catccagttc tcgccctcct cgtcggcgct tcagagcttc 300
gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctctgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
agcgaattga caaaacggct ggagagcggc gagggcacct tttacaagga ccatccgaca 480
agccccaatg ccaaggacgt tgccaacatg acgcccagagg agcgtctagc cacggcgctc 540
agggcagctc 550

<210> 2848
<211> 541
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316016d05b1
<400> 2848

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc cgtcgacat ggctgggtcc gttgtgcccgt tactgcgatc 240
cggcgacttg tccattcga ccatccagtt ctgccctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggcccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtccccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaggacg ttgccaacat gacgcccag gagcgtctag ccacggcgct 540
c 541

<210> 2849
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016d06b1

<400> 2849

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tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gacgcccag gagcgtctag ccacggcgct 540
c 541

<210> 2850

<211> 593

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316016d10b1

<400> 2850

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ttacaaatcc caaaacctt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt tttcttttta aacacatccc 240
aaccctaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
gggtaactgc tctaataagg agagtcagct acttgatta aaaagagtga tcaaatgaa 480
taagaaaatc caagtatttt acggtttcca tgagttcaaa tttgatgcag acatgataat 540
taaagattag attcaagtcc aattgatagg gaatgggtca gatcatgaca gtg 593

<210> 2851
 <211> 460
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e01b1

<400> 2851

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
gcccaaagaa taagccccca cctagtccta tctagtgcga aaaatgcgac ctagaactac 300
atgagacact atctctgtgg gtacgaacct accactttct accaagctta atgggcataa 360
gacctcacia acactctcag gttatcttgg gcttgaaaga aagactaggt ttggggttgg 420
gttaactgct ctaataagga gagtaactta ctgggattaa 460
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<210> 2852
 <211> 386
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e02b1

<400> 2852

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
ggcgacttgt ccatttcgac catccagttc tcgccctcct cgacggcgct tcagagcttc 300
gccgtgacct tgcaacaggt ggcctcttcg aagctgttca gccacaggcg cagcggcatt 360
gagatcctcg gcctcgacgt tgggtcc 386
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<210> 2853
 <211> 597
 <212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316016e03b1

<400> 2853

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atatcctcac agctactcct atcacacagg ttatcataga gccattcaaa cagagatttc  180
gaaaagaacc cctgctgcct ccttcgcggc acaaactctga cccaaatccc caattgagct  240
ggacagtctc taagcacgtg aagcacagat tcaactccac ctttacaac ctgagacaca  300
ttcgaggcgc taagatgtct tcgatgccgt tectcatctg tcataactat gtccagtttg  360
gttatatata ttttctgttt atacttatat ttatatatat ttttcctaaa tataactatt  420
acttttgatt atttgtaaa catgtccatg gatttaactc aatctcaata aatgcttctt  480
agtcttgtgt ctctctatca taatttgntg gtgaataaca tttttattta ccattgtaaa  540
anaaaaaact tgaaaattgc gtaaaatcat tggaactctt cttttctttt ctttttg    597
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<210> 2854

<211> 336

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e05b1

<400> 2854

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ctgtcattaa cattctaaag tcaacggctg ttgccatct acaatgatct aacactgaac  120
ctctattgtt tccctttaca caaacgacaa gctttactag actgtccatg atgttgtagc  180
ttactcaagc tccaggattg taccctctgt tatcatggac tgaaccgctg tgtcttttct  240
gttaaaacac agacctagcc cataggatca gcgagcacct agccttatct agtgcgctaa  300
ataggaacta caactacatg agacactgtg tctgtc                                336
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<210> 2855

<211> 361

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e06b1

<400> 2855

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atggccagcg ttaggagcct cgtgctgctc ctgctggtgc tcgccgacgc gctgtccgcc 120
tccgcctcgt ccatcgacgg cggggaccac ctgcagcttg gcctcctctc cggcggcgct 180
ggccgcgggg agtgcacggg caccgcggcc gagtgccgcg gggaggacgc ggagggggag 240
ctcgggtcgg cgtctgacga ggcgcaccgc cgcgtgctgc aggggcgcgg ctacatcagc 300
taccgcgcgc tgcgcagggg caccgtaccc tgcaaccgtc gcggcgccag ctactacaac 360
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<210> 2856

<211> 651

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e08b1

<400> 2856

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cctgttttta acattttaaa gccaaagggt tttgccatc tccaatagct aacaagaact 120
ctttcttttc tttaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcactaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttggggtt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagaata gattcagggt caaattgata gggaatggta tcagatcatg 600
acagtgtggt cgaggagagc aatctaagca ttgttcagtt tttttttttt t 651

<210> 2857

<211> 649

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016e09b1

<400> 2857

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ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aanagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagatta gattcagggt caaattgata gggaatggta tcagatcatg 600
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<210> 2858
<211> 554
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016e10b1

<400> 2858

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tctttctttt ctttacaat cccaaaacct ttactagact ttttctgctt ctttagctta 180
cttcacctag agtcttctac cttttcttat cattgaatca accccttttt tttttctttt 240
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gaactagaac tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc 360
ttaatcgga taagacctca caaacactca caagttatat agggcttgaa agaaagtcta 420
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ggtttggggtt tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt 480
gatcanaatg aataagaaaa tccaagtatt ttacgggtatc catgagttca aatttgatgc 540
agacatgata atta 554

<210> 2859
<211> 603
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e11b1

<400> 2859

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tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180
tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240
cgccatagat catctttgct cttcccgagt cgatgttctg aatgttgtat tttcagggct 300
tgttcaattc aatagcctat ggtttcaaca gtcagtgcg tcgagcaatc catgagagac 360
tgagagctgta agtcaccacc gatctctttg gtttgctata ttattcccaa taatcaatga 420
agcttgattt ttatgaaacc cttgggtctgc tagattcttg ccagaacggc tatatcgatg 480
gctttcaagc aatttcagac caaaaaacca tctgattcta catcagtcac aacaacagcg 540
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att 603

<210> 2860
<211> 506
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016e12b1

<400> 2860

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ttaacctaga gccttctacc attattgatc atagcatcaa cccctttttt tttttactca 240
aaacacatcc cagcctaaag gctcagctcc cacctagtagc tatctagtcc gcaaactgcg 300
acctcgagct aactatata ctatgtttcg aagctaccaa ctctaact ttctaccatg 360
cttaatgagc ataagacctc tcacacactc tcaaggtata tagggctaga aagaaagtgt 420
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<210> 2861
<211> 409
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016f02b1

<400> 2861

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ctttcttttc tttaaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtagc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaaacactnt ctaccaagct 360
taatcggaat aagacctcac aaacactcac angttatata gggcttgaa 409

<210> 2862
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f03b1

<400> 2862

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taciaaatccc aaaaccttta ctgactttt tctgcttctt tagcttactt cacctagagt 180

cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
 acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
 atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
 gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggttttg 420
 gttaactgct ctaataagga gagttagcta cttggattag aaagagtgat caaaatgaat 480
 cagaaaatcc aggttttcta cgggttccat gaggtcaatt ttgtgcagac atgatattta 540
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<210> 2863
 <211> 404
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f04b1

<400> 2863

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 ctttcttttc ttacaaatc ccacaacct tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttgtagc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
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 aactagaact acatgagaca ctatctctgt cgttacgaac ctaaacacttt ctaccaagct 360
 tagtcggaat aagacctcac aaacactcac aagttatata gggc 404

<210> 2864
 <211> 454
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f05b1

<400> 2864

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 tctaaccttg atgcgcccac atcccaatga cgagctcgtc caccatgtcc accacgttgc 180

attcgcgcca tggggccccta atgcgaaccc cgtcaacatg gcctggaacg ttgtgccggt 240
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 tacagagctt ccccgtagacc ctgctacagg agggccctgt gagctgatca ctcacagtcg 360
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 caatctggag agcgaatcga ctaaacggtt ggag 454

<210> 2865
 <211> 530
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f07b1

<400> 2865

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtgcgccc 180
 atgggccccg aatgcgaacc ccgtcgacat ggctgggtcc gttgtgccgg tactgcatc 240
 cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
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 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat gccaaggacg ttgccaacat gacggccgaa gagcgtctag 530

<210> 2866
 <211> 647
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f10b1

<400> 2866

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 ctttcttttc ttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180

ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
 aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa aattgatgca 540
 gacatgataa ttaaagatta gattcaggtt caaattgata gggaatggta tcagatcatg 600
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<210> 2867
 <211> 563
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f11b1

<400> 2867

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 ttcttttctt tacaaatccc aaaaccttta ctagactttt tctgcttttt tagcttactt 180
 cacctagagt cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa 240
 acacatccca acccaaagta taagcgccca cctagtccta tctagtcoga aaaatgcgaa 300
 ctagaactac atgagacact atctctgtcg ttacgaacct aacactttct accaagctta 360
 atcggaataa gacctcaca acactcaca gttatatagg gcttgaaaga aagtctaggt 420
 ttgggttcgg gttaactgct ctaataagga gagtcagcta cttggattag aacgagtgat 480
 caaaatgaat cagagaatcc acgtgtttta cggaatccat gagttcgaat ttgatgcaga 540
 catgataatt aaagattaga ttc 563

<210> 2868
 <211> 601
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016f12b1

<400> 2868

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ctttcttttc ttacaaaac ccaaaacctt tactagactt tttctgctt tttagcttac 180
ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagatta gattcaggtt caaattgata gggaatggta tcagatcatg 600
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<210> 2869

<211> 529

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g02b1

<400> 2869

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatg 529

<210> 2870

<211> 610
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g03b1

<400> 2870

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tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtcgga aaaatgcgaa ctagaactac 300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
aagaaaatcc aagtatttta cggtatccat gagttcaa attgatgcaga catgataatt 540
aaagattaga ttcaggttca aattgatagg ggaatgtatc agatcatgac agtgtggcga 600
gtagagcaat 610

<210> 2871
<211> 625
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g04b1

<400> 2871

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ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420

gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggtt aaaaagagtg 480
atcaaaatga ataagaaaat ccaagtatct tacggtatcc atgagttcaa atttgatgca 540
gacatgataa ttaaagatta gattcaggtt caaattgata gggaatggta tcagatcatg 600
accgtgtggt cgagtagagc aatct 625

<210> 2872
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g05b1

<400> 2872

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tgtcagctca ccgaccaggt gcatcgctcg tcccggagcc cctaaggcga agttaaggat 120
gaacggcctg gtgtcgacat acttcgtgaa tggcagcagt attcacatct agcagcatgg 180
cagcagacca gtttttttct ttttcctgca tgtgttatct ttttcttttt tattttcttt 240
agtatggatc tatctctctg atcaagcaag aagagatcgg cagcttcagc gacatgacga 300
gccgtttccg gggttttatg aagggaacta tttggggctg cgcggaagca aaactagcta 360
gggtttatta gggcttgctc tagggccgct tgctattcct 400

<210> 2873
<211> 545
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g06b1

<400> 2873

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tacaaatcct aaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac 300
atgagacact atctttgtcg ttacgaacct aacacttttt accaagctta atcggaataa 360

gacctcacia acactcacia gttatattag ggcttgaaag aaagtctagg tttgggtttg 420
 ggттаactgc tctaataagg agagccagct acttgggtta aaaagaggga tcaaaatgaa 480
 gtagaaaatc caagcttttt acggtattca tgagttcaaa tttgatgctc accggataat 540
 taaag 545

<210> 2874
 <211> 442
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g08b1

<400> 2874

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 cgttgaacag ttggggacac tatccactca ttccaatatg atcatgggca tttggcacta 120
 ttaaccgcat ccatgatttt attgagcgca gggcttaaga tcttctggct ctcaattctt 180
 gactttggga cagttgaact aatggtagca cacctttcaa ataaataagt tataaaattc 240
 agcatagatc atctccgctc tttccgagtc tgatgatctg aatgatgtgt tctcagggct 300
 agatcaatta atatcctatg gcttcacacc tcaacgcgtc tagcaatcca tgagagactg 360
 gagcctgcta cacaccaccg agctctttgg gtggctgtat tattcccaat tatcgataga 420
 aggcttgatt gttttgaaac cg 442

<210> 2875
 <211> 530
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g09b1

<400> 2875

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 tgcacatgag ctgacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgct caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgctcgacat ggcttggtcc gttgtgccgg tactgcgac 240
 cggcgacttg tcccatcga ccatccagtt ctcgccctcc tcgtcggcgc ttcagagctt 300

cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtccctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat gccaaaggacg ttgcccacat gacgcccagag gagcgtctag 530

<210> 2876
 <211> 379
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016g10b1

<400> 2876

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 agagttaagg gcatttgcac atcttcaata ggaaacaaga actttttttt ctaatttaca 120
 aaacctaaaa cctacactag acgctttttg atcctacagc atactaaacc tagagtcttt 180
 taccattatt gaacaaagaa tcaacccttt tttttttaaa ctcaaaacac atcccagcct 240
 aaagggtcag ctaccactaa gtactatgaa aaacgaaaac tgcgaccaag agctacatta 300
 tacattatgt ttccaagcta aaacttaata ctaagcacca aggtaaaaag gagataagaa 360
 ctctcacacg cttacaagg 379

<210> 2877
 <211> 480
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h01b1

<400> 2877

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 tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180
 tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240
 cgccatagat catctttgct cttcccagat cgatgttctg aatgttgtat tttcagggct 300
 tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tctgagcaat ccatgagaga 360

ctggagctgt aagtcaccac cgatctcttt gggttgctat attattccca ataataatg 420
aagcttgatt tttatgaaac ccttggtctg ctagattctt gccagaacgg ctatatcgat 480

<210> 2878
<211> 639
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316016h02b1

<400> 2878

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt tttttctttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcgga 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttgggtt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ntacggtatc catgagttca aatttgatgc agacatgant 540
attaaagaat agattcaggt tcaaattgat agggatggta tcagatcatg acagtgtggc 600
gagtagagca atctaagcat tgggtcagtt ttttttttt 639

<210> 2879
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h03b1

<400> 2879

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cttttcttta caaatcccaa aacctttact agactttttc tgcttcttta gcttacttca 180
cctagagtct tctacctttt cttatcattg aatcaacccc tttttttttt tcttttaaac 240

acatcccaac ccaaagtata agcgcccacc tagtcctatc tagtccgcaa aatgcgacct 300
cgagctacat tatacatggt gttt 324

<210> 2880
<211> 563
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h04b1

<400> 2880

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ctttcttttc ttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggtatt aaaaagagtg 480
atcaaaatga ataaggaaaa tcccagtatt tacgggcttc catgagggtca aatttggtgc 540
agacatgata attaaagatt aga 563

<210> 2881
<211> 649
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h05b1

<400> 2881

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ctttcttttc ttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
ttcacctaga gtcttctacc ttttcttata attgaatcaa cccctttttt tttttctttt 240
aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300

aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
 gacatgataa ttaaagatta gattcaggtc aaattgatag ggaatggat cagatcatga 600
 cagtggggcg agtagagcaa tctaagcatt gttcagtttt tttttttt 649

<210> 2882
 <211> 601
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h06b1

<400> 2882

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 ctttcttttc tttaaaaac ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
 aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttgggttt gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg 480
 atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
 gacatgataa ttaaagatta gattcaggtt caaattgata gggaatggta tcagatcatg 600
 a 601

<210> 2883
 <211> 534
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h07b1

<400> 2883

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcctgggtc gttgtgccgg tactgcgatc 240
 cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtctcgcagc ttgtccccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg acaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
 aagccccaat gccaaaggacg ttgccaacat gacgcccagag gagcgtctag ccac 534

<210> 2884
 <211> 660
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316016h08b1

<400> 2884

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 ctttcttttc tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac 180
 ttcacctaga gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt 240
 aaacacatcc caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg 300
 aactagaact acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct 360
 taatcggaat aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag 420
 gtttggtttt gggttaactg ctctaataag gagagtcagc tacttggtt aaaaagagtg 480
 atcaaaatga ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca 540
 gacatgataa ttaaagatta gattcagggt caaattgata gggaatggta tcagatcatg 600
 acagtgggtc gagtagagca atctaagcat tgggtcagtt ttttttttcc aaatcattgc 660

<210> 2885
 <211> 559

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aag 543

<210> 2887
<211> 505
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316017a03b1

<400> 2887

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tgaaagattg gttgcggttc agcgtggcct tttggcatat gttccggggg actggaggag 120
acccttttgg tgcagccaca aagaactggc .cttgggagga tggcaccaat tccttggcca 180
tggctaagag aagaatgaaa gctcacttcg agttcatgga gaagcttgga gttgagaggc 240
ggtgcttcca tgacagggac atcgcccctg atggcaaaac actcgcgga acaaagtcta 300
acttgatga gatagttgag ctggcaaagc aactccagag tgagaccaat ataaagccat 360
tgtgggggac tgcacagctt ttcatgcac cactgtacat gcacggagct gctactagcc 420
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<210> 2888
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017a04b1

<400> 2888

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aaagcgccca gatcccaatg acgagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360

tgagatcctc gtccctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg acaaaacagc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gacgcccag gagc 524

<210> 2889
<211> 500
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316017a05b1
<400> 2889

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ttacaaatcc caaaaccttt actagacttt tactgcttct ttagcttact tcacctagag 180
acttctacct tttcttatca ttgaatcaac cccttttttt tttcttttta aacacatccc 240
aaccctaaagt ataagcgccc acctagtcct atctagtccg aaaaatgcga actagaacta 300
catgagacac tatctcttgt gttactaacc ttacactttt taccatgctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgtaag aaagtctagg attggggttg 420
ggttaactgc tctaatagga gagtcagcta cttggattta caagagtgat caagatggat 480
cagaaaatcc aagtatttta 500

<210> 2890
<211> 384
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316017a06b1
<400> 2890

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gagcccagcc acaaccgaca cgcgacttta ccaggttcac cagcttactt tagctccagg 180
ggcccacctt gcgatctcag tggaccaggc ccgtttcggt gtgcctgaac cgcacccagc 240
cacattgtat catgcgcccc ccagttcta tctctcccg aaagtgctaa ctagatctac 300

ctgaaacact atacatgtgg ccactaacct aacagtcagt accaggctta atgggaatga 360
gaccctacaa ccactcacag gttc 384

<210> 2891
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017a07b1

<400> 2891

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acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaa ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac atga 534

<210> 2892
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017a09b1

<400> 2892

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atgaaacatt accatctgat ggtgctaaag tagcacattt ctgctctatg tgtgggtcca 180
agttttgttc gatgaaaatc acggaggata ttaggaaata tgccgatgaa catgggttacg 240
ggacagtaga agaagctgtg aggcaaggaa tgagtgagat gagtgctgaa tttttggcag 300
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aaagct

366

<210> 2893
<211> 529
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017a12b1

<400> 2893

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acagctactc ctatcacaca ggttatcata gagccattca aacagagatt tcgaaaagaa 180
cccctgctgc ctcttcgcg gcacaaatct gacccaaatc cccaattgag ctggacagtc 240
tctaagcacg tgaagcacag attcaactcc acctttacaa acctgagaca cattcgaggc 300
gctaagatgt cttcgatgcc gttcctcatc tgtcataact atgtccagtt tggatatata 360
tattttctgt ttatacttat atttatatat atttttccta aatataacta ttacttttga 420
ttatttgta aacatgtcca tggatttaac tcaatctcaa taaatgcttc ttagtcttgt 480
gtctctttat cataatttgg tggatgaataa attttttatt taccatttg 529

<210> 2894
<211> 621
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b02b1

<400> 2894

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tctttacaaa tcccaaaacc ttactagac tttttctgct tcttttagctt acttcaccta 180
gagtcttcta ctttttctta tcattgaatc aaccctttt tttttttctt ttaaacacat 240
cccaacccaa agtataagcg cccacctagt cctatctagt ccgaaaaatg cgaactagaa 300
ctacatgaga cactatctct gtcgttacga acctaacact ttctaccaag cttaatcgga 360
ataagacctc acaaacactc acaagttata tagggcttga aagaaagtct aggtttgggt 420

CCCTCTTAA CAATTACAC GTCACCTGCA TTTCTGTGTC TCCCCAAATA TATTACTGCA

ttgggttaac tgctctaata aggagagtca gctacttgga ttaaaaagag tgatcaaaat 480
gaataagaaa atccaagtat ttacggtat ccatgagttc aaatttgatg cagacatgat 540
aattaaagat tagattcagg ttcaaattga tagggaatgg tatcagatca tgacaggtgg 600
tcgagtagag caatctaagc a 621

<210> 2895
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b04b1

<400> 2895

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tatcccaatg acgagctcgt agtcgatgtt caccaggttg caagcgcgcc atgggtccag 180
aatgctaacc ccgtttacat gggctggaac gctgtgcctg ttctgtgatc cggacgactt 240
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cctgtgacag gctgccccctt cgaagacgaa catacacatt cgtagcggga ttgagagcct 360
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acagaacagt tggatagcga ggagggcacc ttttacgggg tccatccagc gagccccaat 480
gccaaagga 488

<210> 2896
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b06b1

<400> 2896

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ctcaaagcgc ccagatccca atgacgagct cgtcgacgat gtccaccacg ttgcagtcgc 180
gccatgggcc ccgaatgcga accccgtcga catggcctgg tccgttgtgc cgggtactgcg 240

atccccgggac ttgtcccatt cgaccatcca gttctcgccc tctctgctcg cgcttaaaaag 300
 cttggccggg accttgcacc agggggcccc ttcgaagttg tccagcccca gccgaagggg 360
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<210> 2897
 <211> 375
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b07b1

<400> 2897

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 ctaacctcaa agcgcccaga tcccaatgac gagctcgctg acgatgtcca ccacgttgca 180
 gtcgcgccat gggccccgaa tgcaacccc gtcgacatgg cctgggtccgt tgtgccggta 240
 ctgcatccg gcgacttgct ccattcgacc atccagttct cgccctctc gtcggcgctt 300
 cagagcttcg ccgtgacct gcaacagggt ggccccttcg aagctgtcca gccacagccg 360
 cagcggcatt gagat 375

<210> 2898
 <211> 419
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b10b1

<400> 2898

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 acaaatccca aaacctttac tagactttgt ctgcttcttt agcttacttc acctagaggc 180
 ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
 cccaaagtat aagggtccac ctagtgtat ctagtgcgaa aaatgcgaac tcgaactaca 300
 tgagacacta tctctgtggt tacgaacct acactctcta ccaagcttaa tcggaataag 360
 agcttacaaa cactcacaag ttatatagg ctggaaagaa agtctaggtc tgggcttgg 419

<210> 2899
 <211> 522
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017b11b1

<400> 2899

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtctccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gacgcccag ga 522
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<210> 2900
 <211> 642
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c01b1

<400> 2900

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ttttctttac aaatcccaaa acctttacta gactttttct gcttcttttag cttacttcac 180
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catccaacc caaagtataa gcgccacct agtcctatct agtccgaaaa atgcgaacta 300
gaactacatg agacactatc tctgtcgta cgaacctaac actttctacc aagcttaatc 360
ggaataagac ctcaaaaca ctcaagtt atatagggct tgaaagaaag tctaggtttg 420
ggtttgggtt aactgctcta ataaggagag tcagctactt ggattaaaaa gagtgatcaa 480
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aatgaataag aaaatccaag tattttacgg tatccatgag ttcaaatttg atgcagacat 540
gataattaa gattagattc aggttcaa at gatagggaa tggattaga tcatgacagt 600
gtggtcgagt agagcaatct aagcatgggt caagtttttt tt 642

<210> 2901
<211> 582
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316017c02b1
<400> 2901

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agacaaagaa atgctgggtgc tgctattcaa cgagatcgat tctaacctta aagcgcccat 120
atcccaatga cgagctcggt agacgatgtc caccaggttg caggcgcgcc atgggccccg 180
aatgcgaacc ccgtctacat gggctgggtcc gttgtgccgg tactgcgatc cggcgacttg 240
tcccattcga ccatgcagtt ctgcacctcc tatgtggcgc ttcagagctt agccgtgacc 300
ctgcaacagg tggccccctc gaagctgaac agccacagcc gcagcgggat tgagatgctt 360
gtgctcgacg ttgctccctc tccgctagac acggtgttcg tgaacctgga gagcgaattg 420
acaaaacggc tggagagcgg cgagggcacc tttacaagg accatacgac aagccccaat 480
gccaaaggac ttgccaacat gacgcccag gagcgtctag ccacggcgct cagggcagct 540
ctcagcacc tcaagattgt ccattccggc gatttgtttt cg 582

<210> 2902
<211> 420
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316017c04b1
<400> 2902

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ttgcggctgc ctggactacc ctgatgagtg cttgttcagc caactggcct agagtggccc 180
cctgggcat tgttgatatg agggcgagtt catgtataat gaagaacaga ccgcccagct 240

gcgttagctg ggagatcaac ctatctggga tgaaagacgg gcactgacac tacaagagac 300
gctgtttctg gtggtacaaa cctaactg tctacgatga ctcatgggct taagacgtca 360
ctggccctca caagtcattt aggggtcgga agaaagccta ggggtgggca agggataact 420

<210> 2903
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c07b1

<400> 2903

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agatgttgac cacacaactg gcgtaataat ggcccttaag ggccactgtg tctatgtgga 180
cgagtcatt acgaaagatc tgctgattgg ccacttgccg tatttgagcg tacaactgta 240
cccctatttg agggctgttg agaacaaga agaaccgtgg ctgagggtgg cccatctgaa 300
ataggcactc gcagacacaa gg 322

<210> 2904
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c08b1

<400> 2904

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tgtcatggta agaagaaacc ttgataagga gaggaacaag aatgttggtt aatactactc 120
ccttaacatg gctggatttg tgcaggagaa agcctatgaa agtgtgcggt ttcttgccga 180
gaaacacaag agagagaacg acgccgctct gatcaaaatc ttgctgttag agaagcagct 240
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gaatcacatg gagggagagg gcgtctatgt gaagaaacgt actgaagagc tgaacaagga 360
tctacaggat agaattgact caatggaaga cctggaagag ctaaatacaag ctctgattat 420
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498

<210> 2905
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c09b1

<400> 2905

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cattggccct ctatggaagc ccccatgaca tgggctgaac cgtttggccg gctctgctat 180
ctgggtaaac agactgattc gaccattcag tcttagcgct actaatgagg acctgagagt 240
tcttgcggga cccttgaaca agggg 265

<210> 2906
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c10b1

<400> 2906

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ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
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catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca tacactcaca agttatatag ggcttgaaag aaagtctagg cttgggtttg 420
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<210> 2907
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017c12b1

<400> 2907

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ccagatccca atgacgagct cgactacgat gtccaccacg ttgtcagtta cgccatgggc 180
cccgtatgcg aaccccgat acatggactg gtccgttggt cctgttctgt tatccggcta 240
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gaccctgcaa ca 312

<210> 2908

<211> 519

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d01b1

<400> 2908

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gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaaga ttgggttttg 420
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aagaaaatcc aagtatttta cggtatccat gagttcaaa 519

<210> 2909

<211> 305

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d04b1

<400> 2909

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ataggagacc tccatggaca aacgactgaa aaacatgcta tacgtgctca cggacatgat 180
caccataatg gatctatcct acatgcactt caggtatcca cgaatgaggc tacatgaggc 240
tactgcccag gagcaggact ctggaaatga ggaacgaaga tgcaccagcg agggttggct 300
tccca 305

<210> 2910
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d05b1

<400> 2910

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gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg 180
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acaaaacagc tggagagcgg cgagggcacc ttttacaggg accatccgac gagccccaat 480
gccaaggacg ttgccaacat gacgcccag gagcgtctag ccacggcgct cagggcagct 540
ctcagcacc tca 553

<210> 2911
<211> 583
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d06b1

<400> 2911

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 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
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 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
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 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatgcgac 480
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<210> 2912
 <211> 501
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d07b1

<400> 2912

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 acaaatgcc gagcctttac tagacttttt gtgcttgttt agcctacttg acctagagtg 180
 gtctaccttt gcttatgatt gaatgaaccg gtgttcttgt ctcttgtaaa cacagtcgaa 240
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 tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagctcaa tgggaataag 360
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<210> 2913
 <211> 527
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d08b1

<400> 2913

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tctttacaaa tacgagaacc tatactagag tctagctggg tgtctagggt cctcaaccta 180
gagtcgcgcc ccgggcctta taagcgaacc cagccgacat ggtctgtttc gtagagccat 240
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ctacaagaga cactgtgtcc gtggatccgg aggtcactct gtatacgaag cttcacaggc 360
gtaagagctt agagacccta caacttaatc ttggttcgat tgagatgaca cgggtggcgt 420
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<210> 2914

<211> 314

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d10b1

<400> 2914

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ttctcagttg ggtaatgaga cccttatacc ccattcatca tcatcaaacc aactttcaaa 120
agagtctcca ttgatggaag agactacggg cttatcaagg tgtcagcgcc aatgaatata 180
ttagctggac aacctacca acttgcttca cgagcatttg gtcttgaccc gccaaaggaaa 240
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<210> 2915

<211> 174

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d11b1

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accctgacga gacactggac gctcaatggg cgtactgctg gcttcagcct agagacctgc 120
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<210> 2916
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017d12b1

<400> 2916

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 tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagctct 180
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 tgttcaattc aatagcctat ggtttcaaca gctcagagcg tgcagcaatc catgagagac 360
 tggagctgta agtcaccacc gatctctctg gtttgctata ttattcccaa taatcaatga 420
 agcttgattt gtatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480
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<210> 2917
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<223> Clone ID: uC-tsfl9316017e01b1

<400> 2917

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 aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
 tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
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gccgggaccc tgcaacaggt ggcccccttg aagctgtcca gccacaggcg cagcgggatt 360
gagatcctcg ttctcgacgt tgctccccctt gcggtagaca cgggtgttcgt ccacctggag 420
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<210> 2918
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017e04b1

<400> 2918

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tacaaatgac aagaccttta ctagacttca cctggttgta tagcgtacta caggcccaga 180
atgctacctc cgttttataag ggcaggaacg ctgtgtctgt tctgttatac agacactcga 240
acccaaagac catagcgtcc atctagctcc tatctagtgc gaaaaaggct aactagaacc 300
acgtgacacg ctgtctctgt ggagacgaac ctaccattc gtaccaggct tgagaggcat 360
gagatctcac agacactcac acgttatata cggttgaaa gaaactgtag ggctgggt 418

<210> 2919
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<212> DNA
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<223> Clone ID: uC-tsfl9316017e06b1

<400> 2919

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tcccaacgac aagcgtcttt acgatgtcca ccacgttgca gtcgctccat gggcccccaa 180
tgccaacccc gtggacatgg cctgggttcgt tgttgctgt actgcgatcc cagcgacata 240
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<210> 2920
 <211> 382
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017e08b1

<400> 2920

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 tgcctttacc cacacttgat tgccttgag gaatccatga ttaacgagga tgtgattgac 180
 gcgacatagg ctccgctgcc gagacacaac ttgaccacca gatgtcacac ctgaatggac 240
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<210> 2921
 <211> 383
 <212> DNA
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<223> Clone ID: uC-tsfl9316017e09b1

<400> 2921

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 cattcggcac tattaaccgc atccatgatt tcatcgagcc agggcataag atcatctggc 180
 tctcagttcc ttggcgtgtg acaggtggac taaaggtagc aaacctatca aataaataag 240
 ttataaaatt cggcataaat catgtttgct cttcccgagc cgatgggtctg aatggaggat 300
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<210> 2922
 <211> 480
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<223> Clone ID: uC-tsfl9316017e12b1

<400> 2922

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tttacaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtc tatctagtc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctaa gtttgggttt 420
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<210> 2923

<211> 498

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f02b1

<400> 2923

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tttgttttct ttacaaatcc caaaacctt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cccctttttt ttttctttta 240
aacacatccc agcccaaagt ataagcgccc acctagtcct atctagtcog aaaaatgcga 300
actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360
aatcggaatc agacctcaca aacactcaca agttatatag ggcttgaaag aaagcctaag 420
tttgggtttg gggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga 480
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<210> 2924

<211> 584

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f04b1

<400> 2924

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tcttttcttt acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc 180
acctagagtc ttctaccttt tcttatcatt gaatcaaccc cttttttttt ttcttttaaa 240
cacatcccaa cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac 300
tagaactaca tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa 360
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tggttttggg ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc 480
aaaatgaata agaaaatcca agtattttac ggtatccatg agttcaaatt tgatgcagac 540
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<210> 2925

<211> 353

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f06b1

<400> 2925

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cgcccagatg ccaatgacta gctctgataa gatgttcacc acacaacagg cgcgccaatg 180
gcccttaatg ggcaccgctt ctacatggac gaggccattg tgcaagaact gctaaccggc 240
cacttgcgct atttgagcat acaactttag ccctacttga ggggtgcttga gactaaagaa 300
gaaccctggc tcaggggggc ccatctaaga taggcagtca cagacacaag ggc 353

<210> 2926

<211> 398

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f08b1

<400> 2926

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ttccccgtgg aacagctggt ataagctgtg cacattatgt accaaatgag aatcttttga 180
tgacaaatga gcagctatgt gatattacat gcatgacaat aggaggccga gctgcacagg 240
aggctctgat tggaagaatc tggactggtg cccataatga tcgggagaaa ggtacaaaga 300
cgacatatgc gctagtagct gtgtatggtt tcagagataa agttgggttt gtatacttct 360
cccagcgagg ggatggctat gaaatgaaca agccttac 398

<210> 2927
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f09b1

<400> 2927

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attagccttt ttacgtcaac ttcggacaac tatgggtcct tttgggccct tgggttctct 180
ggggaggatt ccatggcgaa agatgaactt attgcccgtc ttcgctcggg ggggtgtacca 240
cctgaccctt ctatctcgcc tcgccgggac cgaagaagaa ctggggcgctc ctggtgcttc 300
agccggagaa gcttttatat gaccctgggc ctaagttggc aaatgaccgc cctttcccac 360
ccctttaatg gggaaaccct gggaaaaccc a 391

<210> 2928
<211> 479
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316017f10b1

<400> 2928

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ttacaaatcc caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag 180
tcttctacct tttcttatca ttgaatcaac cccttttttt ttttctttta aacacatccc 240
aacccaaagt ataagcgccc acctagtcct atctagtcg aaaaatgcga actagaacta 300
catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata 360
agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg 420
ggttaactgc tctaataagg agagtcagct cttgggttaa aaagagtgat caaatgaat 479

<210> 2929
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f11b1

<400> 2929

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tgcacatgag cttacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tcccattega ccatccagtt ctgcacctcc tcgtgggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtctctgacg ttgtctccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacagc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaaggacg ttgccaacat gac 513

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<211> 542
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017f12b1

<400> 2930

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tttacaaatc ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
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caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga 480
ataagaaaat ccaagtattt tacggtatcc atgagttcaa atttgatgca gacatgataa 540
tt 542

<210> 2931
<211> 546
<212> DNA
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<223> Clone ID: uC-tsfl9316017g04b1

<400> 2931

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
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tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatctgatgc agacatgata 540
attaaa 546

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<212> DNA
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<223> Clone ID: uC-tsfl9316017g06b1

<400> 2932

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 tacgatgtcc accacgcaac aggcgcgcca tgggccccga atgcgaaccg cgtctacatg 180
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 aagctaggca gccacagacg caagggcatt gagatcctct tgctcgacgt tgatcacctt 360
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<210> 2933

<211> 528

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017g08b1

<400> 2933

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 cccacctagt cctatctagt ccgaaaaatg cgaactagaa ctacatgaga cactatctct 300
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<210> 2934

<211> 547

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017g11b1

<400> 2934

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<210> 2935

<211> 537

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316017g12b1

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<210> 2936

<211> 495

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h01b1

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<223> Clone ID: uC-tsfl9316017h02b1

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tcttttcttt	acaaatccca	aaacctttac	tagacttttt	ctgcttcttt	agcttacttc	180
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tcggaataag	acctcacaaa	cactcacaa	ttatataggg	cttgaaagaa	agtctaggtt	420
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aaaatgaata	agaaaatcca	agtgttttac	ggatatccatg	agttcaaatt	tgatgcacac	540
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 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h04b1

<400> 2938

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ccagccagcg agatacgact caaatccgtg tcgtccgcgc gcgcgcgcgc gaagacgaag 180
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<210> 2939
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<223> Clone ID: uC-tsfl9316017h05b1

<400> 2939

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt ttttttcttt taaacacatc 240
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tggtttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
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591

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h08b1

<400> 2940

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcctgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatectc gtccctgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
gagcgaattg aaaaaacggc tggagagcgg cgagggcacc ttttacaagg accatccgac 480
aagccccaat gccaaggacg ttgccaacat gacgcccag gagcgtctag ccacggcgct 540
cagggcgact ctcagcacc tcaagatgtc cattccg 577

<210> 2941
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h09b1

<400> 2941

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tcaaagcgcc cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg 180
ccatgggccc cgaatgcgaa ccccgctgac atggcctggt ccgttgtgcc ggtactgcga 240
tccggcgact tgttccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc 300
ttcgccgtga ccctgcaaca ggtggccccct tcgaagctgt ccagccacag ccgcagcggc 360

attgagatcc tcgtcctcga cgttgctccc ctttcgctag acacggtggt cgtcaacctg 420
gagagcgaat tgaccaaacc gctggagagc ggcgagggca ccttttataa ggaccatccg 480
acaagcccca atgccaagga cgttgccaac atgacgcccg aggagcgtct agcca 535

<210> 2942
<211> 511
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h10b1

<400> 2942

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcatc 240
cggcgacttg tcccatcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccttc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctcccct ttcgctagac acggtgttcg tcaacctgga 420
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aagccccaat gccaggacgt tgccacatga c 511

<210> 2943
<211> 545
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316017h11b1

<400> 2943

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tacaaatccc aaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt 180
cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca 240
acccaaagta taagcgccca cctagtccta tctagtcga aaaatgcgaa ctagaactac 300

atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa 360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg 420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat 480
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aaaga 545

<210> 2944
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018a05b1

<400> 2944

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acccaaacga caagctcact aacaatgttc acgcacgttg cagtcactcc atgtaccgag 180
aatgccatcc ccttatacat ggactgaccc gttgtgcctt ttctgttata cacatactag 240
ccccatgcga ccatgcacat ctagccctac ttagtgggcg ttaagagatc tagcgctacc 300
ctgagacact gtgtctgttg gaaccaacct aacccttct accaaggcta atagatctta 360
gacctcaccg acactcacat gtcatttgag g 391

<210> 2945
<211> 602
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018a06b1

<400> 2945

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tattaaccgt atccatgatt tcatcgagcc agggcataag atcttctggc tctcagttct 180
tgacgttggg acagctgcac taatggtagc aaacctatca aataaataag ttataaaatt 240
cgccatagat catctttgct cttcccagat cgatgttctg aatgttgat tttcagggct 300

tgttcaattc aatagcctat ggtttcaaca gctcagtgcg tcgagcaatc catgagagac 360
 tggagctgta agtcaccacc gatctctttg gtttgcctata ttattcccaa taatcaatga 420
 agcttgattt ttatgaaacc cttggtctgc tagattcttg ccagaacggc tatatcgatg 480
 gcttccaagc aatttcagac caaaaaacca tctgattcta catcagcaac aacaacagcg 540
 aagcgaaatg gtatcactca agaccgatga cccagcgtga cactaacttt cactaataca 600
 tt 602

<210> 2946
 <211> 592
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316018b03b1

<400> 2946

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 ttacaaaatc caaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttata attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggtct 420
 gggttaactg ctctaataag gagagtcagc tacttggatt aaaaagagt atcaaaatga 480
 ataagacaat ccaagtattt tacggcatcc atgagttcaa atttgatgca gacatgataa 540
 ttaaagatta gatcagggtc aaattgatag ggaatggtat cagatcatga ca 592

<210> 2947
 <211> 514
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316018b05b1

<400> 2947

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tgcacatgag cagacaaaga aatgctgctg ctgctattca acgagatcga ttctaacctc 120
 aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac 240
 cggcgacttg tccattcga ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt 300
 cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
 tgagatcctc gtctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
 gagcgaattg aaaaaacggc tggagagcgg cgagggcacc tttacatgg accatgcgac 480
 aagccccaat tgccaggacg ctgccaacat gacg 514

<210> 2948
 <211> 514
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018c02b1

<400> 2948

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 aatgctgctg ctgctattca acgagatcga ttctaacctc aaagcgccca gatcccaatg 120
 acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc atgggccccg aatgcgaacc 180
 ccgtcgacat ggcttggtcc gttgtgccgg tactgcgac cggcgacttg tccattcga 240
 ccatccagtt ctgcacctcc tcgtcggcgc ttcagagctt cgccgtgacc ctgcaacagg 300
 tggccccctc gaagctgtcc agccacagcc gcagcggcat tgagatcctc gtactcgacg 360
 ttgctcccct ttcgctagac acggtgttcg tcaacctgga gagcgaattg aaaaaacggc 420
 tggagagcgg cgagggcacc ttttacaagg accatacgac aagccccaat gcccaagacg 480
 ttgccaacat tgacgcccga agagcgtcta gccca 514

<210> 2949
 <211> 370
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018c05b1

<400> 2949

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 cccatctcca atagctaaca agaactcttt cttttattta caaattccaa aacctttact 120
 agactttttc tgcttcttta gcttacttca cctagaggct tttaccgttt cttatcattg 180
 aatcaacccc tttttttttt tcttttaaac acatcccaac ccaaagtta agcgcccacc 240
 tagtcctatc tattccgaaa aatgcgaact tgaactacat gaggacctat ctctgtcgtt 300
 acgaacctaa cacttcttac caagcttaat ctgaataaga cctcaccac actcacaagt 360
 tatatagggc 370

<210> 2950
 <211> 322
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018c06b1

<400> 2950

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 cgccagcgga catgtccgtc acgcggttcc ttgcgctgct ggcgggcgcg gcgctggtgg 180
 tcgcccgcgc gccgcgcgtg gtcgcccgcg gggcggtcgc ggcgagagg atctacaaga 240
 accgctgtga cgcggcctgc accgacctgc ccacctgtg cgcgtgcgtg cactgtagct 300
 actagccggc ggcgtactcc ct 322

<210> 2951
 <211> 499
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018d01b1

<400> 2951

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 ttcttttagct tacttcacct agaggcttct accttttctt atcattgaat caaccctttt 180
 ttttttttct tttaaacaca tcccaacca aagtataagc gccacctag toctatctag 240

tccgaaaaat gcgaactaga actacatgag acactatctt tgtcgttacg aacctaacac 300
 tttctaccaa gcttaatcgg aataagacct cacatacact cacaagttat atagggcttg 360
 aaagaaagcc taggttcggg tttggggtaa ctgctctaata aaggagagtc agctacttgg 420
 ttttaataaga gtgatcaaaa tgaatataaa aatcccgtat ttccggattc atgagtcaaa 480
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<210> 2952
 <211> 490
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316018d03b1

<400> 2952

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 ttctttacaa atccgaaaac ctttactaga cattatctgc ttctctagct cactgcacct 180
 acatggcccc taccttgctt tatcattgaa tcaaccctt ttttgttttc atttaaacac 240
 atcccaaccc atagtatgag cgccaccta gtcctatcta gtccgaaaaa tgcgaactag 300
 aactacatga gacactatct ctgtcgttac gaacctaaca ctttttacca agcttaatcg 360
 gaataagacc tcacaaacac tcacaagata tatagggctt gaaagaaagt ctaggtttgg 420
 gtttggttta actgctctaa taaggagagt cagctacttg gattaaatag agtgatcgaa 480
 ttgaataaga 490

<210> 2953
 <211> 534
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018d04b1

<400> 2953

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 cccctttctt ttttcttgt aaacacattc caacccaaag tataagggcc cacctagtcc 180

tatctagtcc gaaaaatgcg aactagaact acatgagaga ctatctttgt gggtagaac 240
ctaactttt ctaccaagct taatcggaat aagacctcac aaactcac aagttatata 300
gggcttgaaa gaaagtctag ggttgggttt gggttaactg ctctaataag gagagacagc 360
tacttggaat taaaagagtg atcaaatga ataagaaaac ccagatttta cgggatccat 420
gagttccaat tgatgcagac ctgaaattaa agattacatt cagggtcaat tgatagggat 480
ggttcagaac atgcaggggg tcgagagagc aactaagctg ggggggtttt tttt 534

<210> 2954
<211> 545
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e01b1

<400> 2954

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tttaciaaac ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaactttt ctaccaagct taatcggaat 360
aagacctcac aaactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
gggttaactg ctctaataag gagagtcagc tacttggtt aaaaagagtg atcaaatga 480
ataagaaaat ccaagtattt acggtatcca tgagttcaaa tttgatgcag acatgattat 540
taaag 545

<210> 2955
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e02b1

<400> 2955

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aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca 180
tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt actgcgatcc 240
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gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg cagcggcatt 360
gagatcctcg tctctgacgt tgctccccct ccgctagaca cgggtgttcgt caacctggag 420
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tgccccaatg ccaaggacgt tgcccacatg acgcccagg agcg 524

<210> 2956
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e04b1

<400> 2956

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aaagcgccca gatcccaatg acgagctcgt cgacgatgtc caccacgttg cagtcgcgcc 180
atgggccccg aatgcgaacc cgtcgacat ggctgggtcc gttgtgccgg tactgcgatc 240
cggcgacttg tccattcgga ccatccagtt ctgccctcc tcgtcggcgc ttcagagctt 300
cgccgtgacc ctgcaacagg tggccccctc gaagctgtcc agccacagcc gcagcggcat 360
tgagatcctc gtcctcgacg ttgctcccct tccgctagac acggtgttcg tcaacctgga 420
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<210> 2957
<211> 657
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018e05b1

<400> 2957

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 ttcttttctt tacaaatccc aaaaccttta ctagactttt tctgcttctt tagcttactt 180
 cacctagagt cttctacctt ttcttatcat tgaatcaacc cttttttttt tttcttttaa 240
 acacatccca acccaaagta taagcgccca cctagtccca tctagtccga aaaatgcgaa 300
 ctagaactac atgagacact atctctgtcg ttacgaacct aacactttct accaagctta 360
 atcggaataa gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt 420
 ttgggttttg gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat 480
 caaatgaat aagaaaatcc cagtatttta cggtatccat gagttcaaatt ttgatgcaga 540
 catgataatt aaagattaga ttcaggttca aattgatagg gcatggcatc agatcatgac 600
 agtgtggtcg agtagagcaa tctaagcact gttcaatttt ttttttttca aatcatt 657

<210> 2958
 <211> 523
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316018e06b1
 <400> 2958

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 aaagcgccca gatcccaatg accagctcgt cgacgatgac caccacgttg cagtcgcgcc 180
 atgggccccg aatgcgaacc ccgtcgacat ggcttgggtc gttgtgccgg tactgcgac 240
 cggcgacttg gccattcga ccatccagtt ctgcacctcc tagtcggagc ttcagagctt 300
 tgccgtgacc ctgcaacagg agggcccttc gaagctgtcc agccacagcc gcatggggat 360
 tgagatctc gtcctcgacg ttgggttcgct atcgctagac acggagttcg tcaacctgga 420
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<210> 2959
 <211> 534

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316018f03b1

 <400> 2959

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 tctaacctca aagcgcccag atcccaatga cgagctcgtc gacgatgtcc accacgttgc 180
 agtcgcgcca tgggccccga atgcgaaccc cgtcgacatg gcctgggtccg ttgtgccggt 240
 actgcgatcc ggcgacttgt cccattcgac catccagttc tcgccctcct ggtcggcgct 300
 tcagagcttc gccgtgaccc tgcaacaggt ggcccccttcg aagctgtcca gccacagccg 360
 cagcggcatt gagatcctcg tcttcgacgt tgctccccctt ccgatagaca cgggtgttcgt 420
 caacctggag agcgaattga caaaacggct ggagagcggc gagggcacct tttaacaagga 480
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<210> 2960
 <211> 508
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316018f04b1

 <400> 2960

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 tttaaaaatc caaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
 gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
 caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
 acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
 aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gcttgggttt 420
 gggttaactg ctctaataag gagaagcagc tacttggatt aaacagagt atcaaaatga 480
 ataagaaaat ccaagtattt tacggggt 508

<210> 2961
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g02b1

<400> 2961

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ttgcccattt tcaaaaacta acaagaactc tatctttact ttacaaaaac caaaccttt 120
actagacttt ttctgcttat tttacttac tttactaag aggggtggga ctttttttt 180
atgaagttaa tcaaccctt tttttttttt ttttaa 216

<210> 2962
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018g06b1

<400> 2962

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cttcgcctg cccccacctt tactggtcgg taccggagaa gagatcctcc ttctctgac 120
gccagcggcc atgtccgaca cgcggttact tgcgtgctg gcggcgggtg aactggtggc 180
cgccgcgcgc gtgcgcgcgc acgcaggggc ggcttgcgcg gaaaaaagga acttcaagaa 240
cccgtgaac gcggcctggg ccgaactgac caaacaggtt gcttccaggc tcagttggaa 300
caaacctccc aaaaccccc 319

<210> 2963
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018h01b1

<400> 2963

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ttttaacatt ttaaagccaa gggcttttgc ccatctcaa tagctaaca gaactctttc 120
ttttctttac aaatcccaaa acctttacta gactttttct gcttcttttag cttacttcac 180

ctagagtctt ctaccttttc ttatcattga atcaaccctt tttttttttt cttttaaaca 240
catcccaacc caaagtataa ggcgccacct agtcctatct agtcgaaaa atgcgaacta 300
gaactacatg agacactatc tctgtcgtta cgaacctaac actttctacc aagcttaatc 360
ggaataagac ctcacaaaca ctcacaagtt atatagggct tgaaagaaag actaggtttg 420
ggtttgggct aactgctcta ataaggagag tcagcttctt ggattaaaaa ga 472

<210> 2964
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018h02b1

<400> 2964

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tttcttttct ttacaaatcc caaaccttt actagacttt ttctgcttct ttagcttact 180
tcacctagag tcttctacct tttcttatca ttgaatcaac cctttttttt ttttctttta 240
aacacatccc aacccaaagt ataagcgccc acctagtctt atctagtccg aaaaatgcga 300
actagaacta catgagacac tatctctgtc gttacgaacc taacactttc taccaagctt 360
aatcggaata agacctcaca aacactcaca agttatatag ggcttgaaag aaagtctagg 420
tttgggtttg ggttaactgc tctaataagg agagtcagct acttggatta aaaagagtga 480
tcaaaatgaa taagaaaatc caagtatttt acggtatcca tga 523

<210> 2965
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316018h04b1

<400> 2965

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cccctcgtcc agtagggagc cgccatgagc cgatcggggc agccgcccga tctgaagaag 120
tacatggaca agaagctcca aatcaagctg aatgcgaacc gtgttgtcat tggcagctt 180

cgtggatttg atcagttcat gaatttggtg gtggacaaca ctgtggaggt caatggagat 240
 gagaagaccg acatagggat ggtggttctg agaggaaata gtgttgtgat gattgaagcc 300
 cttgaaccaa ttgccaggtc tcagtgatat tttggcttgc ctgcttctgg gttagcacta 360
 cttgagctaa tagtgtttgg tcaaaaccta tgcgcatgca attgggcaaa ttgtatccta 420
 atatttgat tgtgtgagat tcagcactta ttgtatagtt 460

<210> 2966
 <211> 310
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019a01b1

<400> 2966
 ttatcgaatc cttegccgng gngncaccaa ggagaaagat taagacatgg agaatggaga 60
 acgccgcnaa cgccgccaan ancngcaaga agcccgcccc acaaggcnac aagagcggaa 120
 gnnacacaaa cccccgcag gcnagggac acnagnccag ccgcgaggagg agaagcgncg 180
 gcnnacaaaa ccagnggcc nagccccaaa anagcngacc ttncagaacn agagcgaggc 240
 cgcgcccaga aaagaccacg ccaagcactc cgnacgagaa cgcncangaa acaanaaaag 300
 ccttctctc 310

<210> 2967
 <211> 85
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a02b1

<400> 2967
 aagatgagct gaaagcccg tcccgtcaa tgggtgaaca accaaccggt gctgtctatc 60
 tggcaggag caaacaagaa ctgcc 85

<210> 2968
 <211> 320
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a05b1

<400> 2968

ccggacacgg aagccggggg cgaccagct cacgcatatc acggaggagg gccggcgcg 60
acgccccgga agagagcaac ccgcgaacac gccgagcccc acccaggcgg acacgcaacg 120
agccccgacag cggggccaca gaggagaggg aaccccaggc cgacaaacga ggaaccaca 180
cccagcaaag ccacgcagac gacaccaagc aacaagggcg agcaaacga cgaggccagc 240
gggcgcgcgg aacggacacg agaaaaacac ggaaaacaca aaccaagagg acacaaacca 300
aaaaaacacc aacagggcg 320

<210> 2969

<211> 520

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019a06b1

<400> 2969

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tcaaagaaat gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120
cccaatgacg agctcgtcga cgatgtccac cacgttgacg atcgcgccat gggccccgaa 180
tgcaacccc gtcgacatgg cctggaccga tgtgccggtg ctgcgatccg gcgacttg 240
ccattcagac catacagttc tcgcctcct cgtgggcgct tcagagcttc gccgcgaccc 300
tgcaacaggt ggccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg 360
tcctcgacgt tgctgccctt ccgatagaca cgggtgtcgt caacctggag agcgaattga 420
caaacggct ggagagcggc gagggcacct ttacaagga ccatgcgaca agtccaatg 480
ccaggacgtt gcaacatgac gcccagagc gctagccacg 520

<210> 2970

<211> 562

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019b01b1

<400> 2970

cctagcaa at ggta atgcc aaga tgc aa ctgacggcat tgcacatgag ctgtcaagtt 60
 ttgctgctgc tgctattcaa cgagatcgat tctaacctca aagcgcccag atcccaatga 120
 cgagctcgtc gacgatgtcc accacgttgc agtcgcgcca tgggccccga atgcgaaccc 180
 cgtcgacatg gectgggtccg ttgtgccggt actgcgaccc ggcgacttgt cccattcgac 240
 catccagttc tgcctctcct cgtcggcgct tcagagcttc gccgtgaccc tgcaacaggt 300
 ggcccccttcg aagctgtcca gccacagccg cagcggcatt gagatcctcg tactcgacgt 360
 tgctccccctt gcgctagaca cgggtgttcgt caacctggag agcgaattga caaaactgct 420
 ggagagcggc gagggcacct ttacaagga ccatgcgaca agccccaatg ccaaggacgt 480
 tgccaacatg acgcccagcg agcgtctagc cacggcgctc agggcagctc tcagcaccct 540
 caagattgtc cattccggcg at 562

<210> 2971
 <211> 570
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316019b03b1
 <400> 2971

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 gacaagta at gctgctgctg ctattcaacg agatcgattc taacctcaaa gcgcccagat 120
 cccaatgacg agctcgctga cgatgtccac cacgttgacg tcgcgccatg ggccccgaat 180
 gcgaaccccg tcgacatggc ctggtccggt gtgccggtac tgcgatccgg cgacttgtcc 240
 cattcgacca tccagttctc gccctcctcg tcggcgcttc agagcttcgc cgtgaccctg 300
 caacaggtgg ccccttcgaa gctgtccagc cacagccgca gcggcattga gatcctcgtc 360
 ctcgacgttg ctcccccttc gctagacacg gtgttcgtca acctggagag cgaattgaca 420
 aaacggctgg agagcggcga gggcaccttt tacaaggacc atccgacaag cccaatgcc 480
 aaggacgttg ccaacatgac gcccgaggag cgtctagcca cggcgctcag ggcagctctc 540
 agcaccctca agattgtcca ttcccgcat 570

<210> 2972
 <211> 638
 <212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316019c01b1

<400> 2972

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cattttaaat ccagggtttt tgcccatctc caatagctaa caagaactct ttcttttctt  120
tacaaatccc aaaaccttta ctgactttt tctgcttctt tagcttactt cacctagagt  180
cttctacctt ttcttatcat tgaatcaacc cctttttttt tttcttttaa acacatccca  240
acccaaagta taagcgccca cctagtccta tctagtccga aaaatgcgaa ctagaactac  300
atgagacact atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa  360
gacctcacia acactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg  420
gttaactgct ctaataagga gagtcagcta cttggattaa aaagagtgat caaaatgaat  480
aagaaaatcc aagtatttta cggtatccat gagttaaata ttgatgcaga catgataatt  540
aaagattaga ttcacgttca aattgatagg gaatggtatc agatcatgac agtgtgggtc  600
agtagagcaa tctaaagcat ggtcagtttt tttttttt                               638
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<210> 2973

<211> 588

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316019c03b1

<400> 2973

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caacagcgaa caagaactca ggcttttctt tacaaatccc aaaaccttca ctgactttg  120
tgtgcttctt tagcttactt cacctagagg cttctacctt ttcttatcat cgaatcaacc  180
cctttctttt tttcttttaa acacatccca acccaaagta taagcgccca cctagtccta  240
tctagtccga aaaatgcgaa ctagaactac atgagacact atctctgtcg ttacgaacct  300
aacactttct accaagctta atcggaataa gacctcacia acactcacia gctatatagg  360
gcttgaaaga aagtctaggt ttgggtatgg gataactgct ctaataagga gagtcagcta  420
cttggattaa aaagagtgat caaaatgaat aagaaaatcc aagtatttta cggcatccat  480
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gagttcaaat tggacgcaga cgtgagtatt aaagattaga ttcaggttca aattgatagg 540
 gaatggtatc agatcatgac agtgcggtcg agtagagcaa tctaagca 588

<210> 2974
 <211> 558
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019c04b1

<400> 2974

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 agttttacaaa gttatgctgc tgctgctatt caacgagatc gattctaacc tcaaagcgcc 120
 cagatcccaa tgacgagctc gtcgacgatg tccaccacgt tgcagtcgcg ccatggggccc 180
 cgaatgcgaa ccccgctgac atggcctggc ccgttggtgcc ggtactgcga tccggcgact 240
 tgtcccattc gaccatccag ttctcgccct cctcgtcggc gcttcagagc ttcgccgtga 300
 ccctgcaaca ggtggccctc tcgaagctgt ccagccacag ccgcagcggc attgagatcc 360
 tcgtcctcga cggtgctccc cttccgctag acacggtgtt cgtcaacctg gagagcgaat 420
 tgacaaaacg gctggagagc ggcgagggca ctttttaciaa ggaccatccg acaagcccca 480
 atgccaagga cggtgccaac atgacgcccg aggagcgtct agccacggcg ctccanggcag 540
 ctctcagcac cctcaaga 558

<210> 2975
 <211> 661
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019c05b1

<400> 2975

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 tcaagggctc cttgcccac tccaatagct aacaagaact ctttcttttc tttacaaatc 120
 ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180
 ttttcttctc attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240

tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300
ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg 420
ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaaat 480
ccaagtatTT tacggtatcc atgagttcaa atttgatgca gacatgataa ttaaagatta 540
gattcaggtt caaattgata ggggaatggta tcagatcatg acagtgcggt cgagtagagc 600
aatctaagcc tagctcaggt tttttttttt tcaaattctt gactatgcaa cagacactag 660
c 661

<210> 2976
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019c06b1

<400> 2976

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gcgcgacgaa cggcagcaat tcggctggga gatcaggcgg gatgcactcg atcggcgacc 120
acaccgtcat tgagctcaag gggcccgaca gaaccggcct tctctccgag atcttcgtcg 180
tgctggagga gctacagtgc aacgtcatgg cggccgaggc gaggacacac acgacgaggg 240
tggcctgcgt gttgtacttt aactacgagt cctccgcgca cgacatcgag gactcgtgcc 300
gcctgcccac gatcgatgag cggctgttgc acgtgctcca caggcactgc ggtggagact 360
acgactactg ctactatcgg ggagcgcaca ctaactgggt cgacggatgc acccacgtgg 420
accgacggct gcaccagctg atgcacgccc acatagacct 460

<210> 2977
<211> 436
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316019d01b1

<400> 2977

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ccaccacgnn gcagccgcgc caggggccac gaaggcgaac ccnnggaaca tggccagaac 120
 cgcngngccg gcaccgcgaa ccggcgacca ggcccattcg accatccagt actcgccctt 180
 ctcgagggcg ctaaagagct ccgccgggac cctgcaacag gtggcccctt agaagcagac 240
 cagccacagc cgcagcggca atgagagcct aggacccccc agagcgtccc tagcgctaga 300
 cacggagtac gagaacctgg agagcgaaac ggcaaaactg ctggagagcg gcgagggcgc 360
 ctcttacgag gaccatacga gaagcccca agccaaggac gttgccgaca tgacgccga 420
 agagcggcta gccacg 436

<210> 2978
 <211> 470
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019d04b1

<400> 2978

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 gcaacgagag cgaggggaac caaaaagcgc ccagacccca aggacaagcn acgcgacgag 120
 gaccaccagc gggcagccgc gccaaaggcc cccgaancgc caaccacgc aagacaaagg 180
 cacagggccc gaagagcacg gcacgcgccg aaccagcga cccagaccca gacgaccagc 240
 cagngagacg gccgccccga gggcgcgaaa gagcaacgac gagaccccg c aacagggggc 300
 cccgacgaag aagccagcca cagacggagc ggcaaagaga gcccccgacc ccacggagac 360
 ccccgaccgc cagacacgga gcacgacaac ccggagagcg aacagacaaa acggccggag 420
 agcggcgagg gcaccccaaa caaggagcag ccgacaagcc ccaaagccaa 470

<210> 2979
 <211> 478
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019d05b1

<400> 2979

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tcattgaatc agccccctttt tttttttgct tttaaacaca tcccagccca aagtataagc 180
gccacctag tcttatctag tccgaaaaat gcgaactaga actacatgag acactatctc 240
tgtggttacg aacctaacac tttctaccaa gcttaatcgg aataagacct cacaaacact 300
cacaagttat atagggcttg aaagaaagtc taggattggg tttgggttaa ctgctcta 360
gaggagaggc agctacgggg attaaaaaga gtgatcagaa tgaataagaa aatccaagga 420
ttttacggta tccatgagtt caaagttgat gcagacatga taatgaagat tagattca 478

<210> 2980
<211> 650
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316019f01b1

<400> 2980

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ctttacaaat cccaaaacct ttactagact ttttctgctt ctttagctta cttcacctag 180
agtcttctac cttttcttat cattgaatca accccttttt tttttctttt taaacacatc 240
ccaacccaaa gtataagcgc ccacctagtc ctatctagtc cgaaaaatgc gaactagaac 300
tacatgagac actatctctg tcgttacgaa cctaacactt tctaccaagc ttaatcggaa 360
taagacctca caaacactca caagttatat agggcttgaa agaaagtcta ggtttggggt 420
tgggttaact gctctaataa ggagagtcag ctacttggat taaaaagagt gatcaaatg 480
aataagaaaa tccaagtatt ttacggtatc catgagttca aatttgatgc agacatgata 540
attaaagatt agattcaggt tcaaattgat agggaatggg atcagatcat gacagtngtg 600
gcgagtagag caatctaagc aatggtcagt tttttttttt ttttaaattc 650

<210> 2981
<211> 490
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316019f04b1

<400> 2981

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gccgccgccg cgaaacaagg agagcgagac gaaccgcaaa gcgcccagac ccaaangacg 120
agcgcgggga ccagggggcac cagccgggca gaacgcgcca agggccccga aagcgaaccc 180
agaggacacg gcccgggccc angagccgga accgcgaacc ggcgacaagg accaaccgac 240
cagccacggc ncgccccccg aggcggagca acagagcacc gccgagaccc agcgacaagg 300
ggccccaaag aagcaggcca gccacagacg caagggcgac gagagccgag agcacgacgc 360
gggnccccag gcgcgagaca cgagagccgc caaccaggag agcgaangga caaaacagcc 420
ggagagcggc gagggcaccg acaacaagga ccaaacgaca agccccaagg ccaaggacgc 480
caccaacacg 490

<210> 2982

<211> 209

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316019f05b1

<400> 2982

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gcaggggcaa ggggcacnac cagccgcacc cccaaannca gagagccagg gcagaagacc 120
caccggagac gagggcacga cggngaaaca gcggacacaa acgggagcaa accaagcaga 180
aaaaacagcc aaacaaaccg gcaaagagc 209

<210> 2983

<211> 539

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316019f06b1

<400> 2983

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ttttggagct tatacagaaa ngccgctggt gcgattcaac gagagcgatt ctaacctcaa 120
agcgcccaga gcccacgac gagcgcgctg accaggccca ccaggtagc aacggcgcca 180
tgggccccaaggagggaaccc cgaggaatgg ccaggaacga tgagcctgaa cggccatccg 240
gcgacttggc ccatacgacc atccagtgtg ggccctcctc gggggagcta aaaagaactg 300
cgcgcgaccc tgggacaagt ggccactggg aagctgtgca gccacaggct gagcggggaat 360
gagatcctcg atcacgacgc tgctgccttt gcgctcgaca cgggtgtccga agcacctgga 420
gagcggaacg aaaaaactgc tggcgagcgg cgagggcacc tataagaagg accatacgac 480
aagtccaat gccaaaggacg ttgccaacat gacgcgcgac gagcgggctag ccacggcgc 539

<210> 2984
<211> 558
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019g01b1

<400> 2984

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gcccagatcc caatgacgag ctgctcgacg aggtccacca cgttgcagtc gcgccatggg 180
ccccgaatgc gaaccccgct gacatggcct ggtccgttgt gccggtagtg cgatccggcg 240
acttgtccca ttcgaccatc cagttctagc cctcctcgaa ggcgctaaag agctctgccg 300
ggaccctgca acaggtggcc cctaagaagc tgttcagcca cagccgcagc gggattgaga 360
tcctcgacct acacgtgtgt cctcttgccg tagacacaga gttcgtgaac ctggagagcg 420
aatcgacaaa acggctggag agcggcgagg gcacctttta caaggaccat ccgacaagcc 480
ccaatgcca ggacgttgcc aacatgacgc ccgaagagcg gctagccacg gcgctcatgg 540
cagctctcag caccctca 558

<210> 2985
<211> 574
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316019g03b1

<400> 2985

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cgcnegccca tctgcgatag ctgacaagaa ctctgtcttt tctttacaaa gcccaaaacc 120

ttgactagac tttttctgct tctctagctg acttcaccta gagtctggta cctgttctta 180

tcatggggtc aacccctttt ttgttgtctt tgaagcacat cccaacccaa aggatgagcg 240

cccacctagt gctatctagc ccgaaaaagg cgaactagaa ctgcatgaga cactagctct 300

ggggttacga acctaacact ttctaccaag cttaatggga ataagacctc acaaacactc 360

acaagttata tagggcttga aagaaagcct aggtttgggt gtgggttaac tgctctaata 420

aggagagtca gctacttggga ttaaaaagag tgatcaaaat gaataagaaa atccaaggat 480

ttcacggagt ccatgaggtc aaagttgagg cagacatgat tatcaaagat gtgattcagg 540

ttcaaactga taggggatgg atcagatcat gaca 574

<210> 2986

<211> 413

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316019g04b1

<400> 2986

attaaaacct tactgcttga ttgctgaaac cacaggtttt tgacttattg gggcacnagc 60

caccagagg aaacggagca ggggcatgcg gcactatgac ccgcacccaa gagngcagag 120

agccagggca gaagaacagc gggcccacag cgcacgacgg cgggacagcn gcacaaaagg 180

gagcaaacc agcaaaaaaa ccagncacac aacgcgccac agagcaccaa agcccgaccc 240

gagccgacgn gcggaaagag gagatacgaa gagccgccgc aaccagtagc ccatgggaaa 300

aacagctcag acgcgcgagc aagccatgag agactggagc tgacagtcac caccgagcgc 360

ttgggggtgc gatagtattc ccaaaaatca aagaagcttg acttttatga aac 413

<210> 2987

<211> 665

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316019g06b1

<400> 2987

aacactgtgt tacatgtagc ggatttggat ttctttaaca gactaagcgc ctctcggcc 60
cgaactantt taaatttcag ggctnnccgcatctgcaat agctaacaag aactctttct 120
tttctttaca aatcccaaaa cctttactag actttttctg cttcttttagc ttacttcacc 180
tagagtcttc taccttttct tatcatggaa tcaacccctt ttttttttct ttttaaacac 240
atcccaaccc aaagtataag cgccaccta gtcctatcta gtccgaaaaa tgcgaaactag 300
aactacatga gacactatct ctgtcgctac gaacctaaca ctttctacca agcttaatcg 360
gaataagacc tcacaaacac tcacaagtta tatagggtt gaaagaaaga ctaggtttgg 420
gtttgggtta actgctctaa taaggagagt cagctacttg gattaaaaag agtgatcaaa 480
atgaataaga aaatccaagt attttacggt atccatgagt tcaaatttga tgcagacatg 540
ataattaaag attagattca ggttcaaatt gatagggaat ggtatcagat cattgacagt 600
gtggtcgagt agagcaatct aagcatggct cagttttttt tttttcaaat tattgacttg 660
cacag 665

<210> 2988

<211> 593

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316019h01b1

<400> 2988

taacactttg ttacatctag cggatttggg tttctttaac aactaagggt cctgggcgta 60
actctttaaa tcctagggct atggcccatc tgcaatagct aacaagaact ctttcttttc 120
tttaciaaat ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga 180
gtcttctacc ttttcttacc attgaatcaa cccctttttt ttttctttt aaacacatcc 240
caacccaaag tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact 300
acatgagaca ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat 360
aagacctcac aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt 420
gggttaactg ctctaataag gagagtcagc tacttggttt aaaaagagt atcaaatga 480

ataagaaaat ccaagtatTT tacggtatcc atgagttcaa atttgatgca cacatgataa 540
 ttaaagatta gattcacgct caaattgata gggaatggta tcagatcatg aca 593

<210> 2989
 <211> 425
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019h03b1

<400> 2989

gaacacgagg gaaccggacg cgcagcagag aggcgcgcca cgacagccga cggagcgcag 60
 aagctctgga gcggacaggg caangccgca gcgtgcgata caacgagagc gagccgaacc 120
 gcaaagcgcc cagaccccaa cgacgagcgc gccgaccagg accaccaggg tgcagacgcg 180
 ccagggggccc ccgaaagcga accccagggg caaggcccgg accagtgagc cggaaccgca 240
 aaccggcgac aagcaccaag cgcccaccca ggcccagccc gaccggaaag cgcgacaacg 300
 aactgccggg gccacgaacc cggaggacac gaaccagaca cacaccacca cagcgaacgg 360
 gaaacgaccc cacaacacc cccaagcaac acagggctgg aaagaaagac caggagaggg 420
 cacgg 425

<210> 2990
 <211> 544
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316019h04b1

<400> 2990

agcccatttg gattccttta acaactaagg ctgctgcccc aaattctgaa attcctaggg 60
 cgcncgcccc tcaccaatag ctgacaagaa ctcttcctt tctttacaaa tcccaaaacc 120
 ttgactagac tttgtctgct tctttagctg actccaccta gaggcgtcta cctcgtctta 180
 tcattgagtc aaccctttt ttgttttctt ttaaacacat cccaacccaa agtataagcg 240
 cccacctagt cctatctagt ccgaagaatg cgaactagaa ctgcatgaga cactatctct 300
 gtcgttacga acctaacact ttctaccaag cttaatcgga ataagacctc acaaacactc 360

acaagttata tagggcttga aagaaagtct aggtttgggt gtgggttaac tgctctaata 420
aggagagtca gctacttgga ttaaaaagag tgatcaaat gaataagaaa atccaaggat 480
tttacggaat ccatgagttc aaagttgatg cacacatgat tattaagat tggattcacg 540
ctca 544

<210> 2991
<211> 395
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316019h06b1

<400> 2991

ccggggcgac ccacgttgcc gcgttggtcc cgcngacgcc cacgaacaag gactttgaaa 60
aaccgaagcc ggcnacacacc acagcgagaa acggaggcga gaagcccacg agcgccacaa 120
gaagaggggg gcaccacagg ccccaaacca agaaaacaac agnccgacna acaggaaccc 180
cgaggaaaaan ggggcgaagg cagcccgaga cgagcccggg aaaacaccga cgcacagac 240
cccaaaagcc caaggcgccc cgacaggaaa anacacccca gcgaagccac caacaggacc 300
ccgaggacgg aganacacca cgcacagcca gcccaagcac caaccgcgca ccaacaaaga 360
caggagaaaa ggaggaagca angacaaaac ccaa 395

<210> 2992
<211> 500
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020a05b1

<400> 2992

aagccaagaa agccaactga cggcatngca cattagcagt catgaaangc ngcngcngct 60
atggaacgag atcgatttta acctcaaagc gccagatcc caatgacgag ctcgttgacg 120
atgtccacca cgttgcagtc gcgcatggg cccgaatgc gaaccccgtc gacatggcct 180
ggtcggttgt gccggtactg cgatccggcg acttgtccca ttcgaccatc cagttctcgc 240
cctcctcgtc ggcgcttcag agcttcgccg tgaccctgca acaggtggcc ccttcgaagc 300

tggttcagcca cagccgcagc ggcattgaga tcctcgttct cgacgttgct ccccttccgc 360
tagacacggt gttcgtcaac ctggagagcg aatcgacaaa accgctggag agcggcgagg 420
gcacctttta caaggaccat tcgacaagcc ccaatgccaa ggacgttgcc aacatgacgc 480
ccgaggagcg gctagccacg 500

<210> 2993
<211> 549
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020a06b1

<400> 2993

ccgcacctcg caaatggtac agccaagaaa gtcaactgac ggcattgcac attagcagtc 60
atgaaangcc gcngcngcta tncaacgaga tcgattttaa cctcaaagcg cccagatccc 120
aatgacgagc tcgtcgacga tgtccaccac gttgcagtcg cgccatgggc cccgaatgcg 180
aaccctcgctg acatggcctg gtcggttggtg ccggtactgc gatccggcga cttgtcccat 240
tcgaccatcc agttctcgcc ctctctcgctg gcgcttcaga gctttgccgt gaccctgcaa 300
caggtggccc cttcgaagct gtccagccac agccgcagcg gcattgagat cctcgctctc 360
gacgttgctc cccttccgct agacacggtg ttcgtcaacc tggagagcga attgacaaaa 420
cggctggaga gcggcgaggg caccttttac aaggaccatt cgacaagccc caatgctcag 480
gacgttgcca acttgacgcc cgaggagcgt ctagccacgg cgctcagggc agctctcagc 540
accctcaag 549

<210> 2994
<211> 280
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020a07b1

<400> 2994

caaaagggca gccacgaaag ccgaccgacg gcaccgcaca atagcaatca aagaaacgcc 60
gcgcggccag gggcgagagc aaagagaaac gccggagccc acaccccaac gacgagcgag 120

ncgacgagga ccaccacagc gcagacgggc caggggcccc gaaggcgaac cccggcgaca 180
aggccgagga aagacgagcc ggaacgagcg aacacgggcg acgaggacca aacagaccag 240
aacagagcaa gccaaccga cggggagagc aaaaaaagaa 280

<210> 2995
<211> 469
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020a09b1

<400> 2995

caaccccgca aagggccagc caagaaagcc aactgacggc anngcacaat agcagtcata 60
gaaangccgc cgccgccang gaacgagatc gaagctaacc gcaaagcgcc cacancccaa 120
ngacgagcgc gnngacgagg accaccacgc ggcagacgcg ccaggggccc cgaaggcgaa 180
ccccgacgac acggcccgga ccagagagcc ggaacggcga cccggcgacg agggcccaaac 240
gaccaaccag cgcacgcccc cgcggggggc gccacagaga cagcccgca ccccgcaaca 300
ggcggccccg acgaagcaga ccagccacag ccgcagcggc aaagagaacc acgaccacga 360
cagagcccc cggccgccag acacggagga cgacaacccg gagagcgaa agacaaaacg 420
gcaggagagc ggcgagggca ccnanaacaa ggaccaaccg acaagcccc 469

<210> 2996
<211> 613
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a11b1

<400> 2996

cactttgtta catctagcgc atttgatgg cttaacaac taaggctcct gcctttaaca 60
tcttatagct aagggctatc gcccatctgc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacc cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca 300

tgagacacta tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag 360
 acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tgggtttggg 420
 ctaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
 agaaaatcca agtatTTTtac ggtatccatg agttcaaagt tgatgcacac atgattatta 540
 aagattagat tcacgctcaa attgataggg aatggtatca gatcaatgac agtgtgggcg 600
 agtagagcaa tct 613

<210> 2997
 <211> 480
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020a12b1

<400> 2997
 tgccgcagct gcaattcacc ggcagcgctt ctaacctcat agagcccaga gccccaccga 60
 cgagcgcgtc gacgaggtcc accagcttac agaaccgcca gggggccccc atgcgaacct 120
 cgtcgcaagc cctgggtccgt agtgccctgta cacgccatcc gagcgacttg tgctatgcga 180
 ccatccagtt ctagccctcc tggaaggagc taactagaac tgccgggacc actctacagg 240
 tggtcactaa caagctactc aaccacaggc gaagtgggaa tgagatcctc gaaccacacg 300
 caggttctct tgcgcttgac acagagtcca gcgacctgta gagcgaaacg acacaactga 360
 tggggagcgg cgagggcgcc tataacgagg gccctacgac aagccccaaa gccaaaggacg 420
 ttaccgacat gacgcccga gagcgggctag ccacagtact atggcagatg cagcacgctc 480

<210> 2998
 <211> 437
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020b04b1

<400> 2998
 cggatttgga cggctttaac aactaaggct cctgtcttta aactggaaa gcttagggct 60
 attgccatc tgcaatagct aacgaggaac tctttatTTT ctttgggagt gccaaaacct 120
 ttactagact ttgtctgctt ctttagctta cttcacctag aggcgtgtac cttttcttat 180

cattgagtca accccttttt ttttttcttg taaacacatc ccaaccctaaa ggatgagcgc 240
ccacctagtc ctatctagtc cgaaaaatgc gaactagaac tacatgagac actatctctg 300
gcgatacgaa cctaactn tctaccaagc ttaatcgga taagacctca caaactca 360
caagttatat agggcttgaa agaaagtcta ggttcgggtt cgggttaact gctctaataa 420
ggagagtcgg ctacttg 437

<210> 2999
<211> 478
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020b05b1

<400> 2999

acatttagcg gatatggact gctttaacaa ctaagggtcc tgtttttaac atctgaaagc 60
ttagggcttt tgcccatctc caanagctaa caggaactct ttcttttctt tacaaatccc 120
aaaaccttta ctgactttg tctgcttctt tagcttactt cacctagagg cttctacctt 180
ttcttatcat tgaatcaacc cttttttgt tttcttttaa acacatccca acccaaagta 240
taagcgccca cctagtecta tctagtcga aaaatgcgaa ctagaactac atgagacact 300
atctctgtcg gtacgaacct aacactttct accaagctta atcggaataa gacctcacia 360
aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gtttaactgct 420
ctaataagga gagtcagcta cttggattaa aaagagtgat caaatgaat aagaaaat 478

<210> 3000
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020b06b1

<400> 3000

acatgtagcg cactttggat tcctttaaca actaagggtc ctgtttttaa cattaaaagc 60
tagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt acaaatccca 120
aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa cccaaagtat 240
aagcgccac ctagtcctat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300
tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360
cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420
taataggaga gtcagctact tggataaaaa gagtgatcaa aatgaataag aaaattcaag 480
ttttttacgg tatccatgag ttcaaat 507

<210> 3001
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020b07b1

<400> 3001

tagcggatgt ggactccttt aacagctaag ggtgctgtcc ttaacattgg agagctaagg 60
gctattgcc agcggcaata gctaacaaga actctttctt ttttttacga tccgcaaaac 120
ctttactaga ctttgtctgg ttcttttagct tacttcacct agagtgttct accttttctt 180
atcatggagt caacccttt tttgttttct tttaaacaca tcccaaccac aagggtgagc 240
gccacctag tctatctag tccgaagaat gcgaactaga actacatgag acactatctc 300
tgtcgttacg aacctaacga ctttctacca agcttaatcg gaataagacc tcacaaacac 360
tcacaagtta tatagggtt gaaagaaagg ctaggtttgg gtttgggcta actgctctaa 420
taaggagagg gaggtacttg gattaaagag agtgatcaaa atgaataaga aaattcaagg 480
gttttac 487

<210> 3002
<211> 480
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020b08b1

<400> 3002

tacatctagc ggatttggat ttctttaaca actaagggtc ctgtttttta catttttaaag 60
cttangggct aatgcccatc tccaatagct aacaggaact ctttcttttc tttaaaatc 120

ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180
 ttttcttatc attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240
 tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300
 ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
 aaacactcac aagttatata gggcttgaaa gaaagtctag gtttggggtt ggggtaactg 420
 ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaatga ataagaaaat 480

<210> 3003
 <211> 515
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020b09b1

<400> 3003
 catctagcgg atttggattt cttaacaac taaggttcct gtttttaaca ttttaaagct 60
 aagggactan tgcccatctc caatagctaa caagaactct ttcttttctt tacaaatccc 120
 aaaaccttta ctagactttt tctgcttctt tagcttactt cacctagagt cttctacctt 180
 ttcttatcat tgaatcaacc cttttttttt tttcttttaa acacatccca acccaaagta 240
 taagcgccca cctagtecta tctagtcgca aaaatgcgaa ctagaactac atgagacact 300
 atctctgtcg ttacgaacct aacactttct accaagctta atcggaataa gacctcacia 360
 aactcacia gttatatagg gcttgaaaga aagtctaggt ttgggtttgg gtttaactgct 420
 ctaataagga gagtcagcta cttggattaa aaagagtgat caaatgaat aagaaaatcc 480
 aagtatttta cggtatccat gagttcaaat ttgat 515

<210> 3004
 <211> 362
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020b10b1

<400> 3004
 acctagcaga gaggtaagtc acgacagccg actgtcggca ttgcacatga gcggtaagg 60

tttgctgctg ctgctataca acgagagcga ttttaacctc atagcgccca gatcccaatg 120
acgagctcgt cgacgaggtc caccacgttg cagtagcgcc atgggcccc aatgcgaacc 180
ccgtggacat ggcttggttc gttgtgccgg tacagcgatc cggcgactag tcccatgcga 240
ccatccagtt ctagccctcc tcgacagcgc taaagagctc tgccgggacc ctgcaacagg 300
tggtccctaa gaagctgttc agtcacaggc gtagtgggat tgagatcctc caactagacg 360
ta 362

<210> 3005
<211> 625
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020b11b1

<400> 3005

tgttacatct agcggatttg gatttcttta acaactaagg ttcctgtttt taacatttaa 60
agctagggca tttgcccatc tccaatagct aacaagaact ctttcttttc ttacaaaatc 120
ccaaaacctt tactagactt tttctgcttc tttagcttac ttcacctaga gtcttctacc 180
ttttcttatc attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240
tataagcgcc cacctagtcc tatctagtcc gaaaaatgcg aactagaact acatgagaca 300
ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt gggttaactg 420
ctctaataag gagagtcagc tacttggatt aaaaagagtg atcaaaatga ataagaaaat 480
ccaagtattt tacggattcc atgagttcaa atttgatgca gacttgataa ttaaagatta 540
gattcaggtc aaattgatag ggaatggttt cagatcatga cagtgtgggc gagtagagaa 600
tttaagcatg gtcagttttt ttttt 625

<210> 3006
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020c06b1

<400> 3006

gcggtcgagg aaccaagctt ataaacgctt ttgtgcgacg ccaaagccca acgagaacga 60
tacctaattt caaggcactg gcacaaccg ta 92

<210> 3007
<211> 273
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020c07b1

<400> 3007

gagcttctgc attatttcac ggcgaccgcc ggcaaggacg agaagaacgc tctcggaggc 60
gaggcccaac cgaccaaggc ccncgacaag ggccccacgn agaagaaccc ggacgacgcc 120
cccggcccna acacggggga gagcacgacg gagccngaca cggacgccag cggacagacg 180
aacgagagga gaagcaccca gaagnggccg gacagcgggg agaggacaag cccgaagacg 240
cagcagccac gggcgcacca aacgcaggcg ccc 273

<210> 3008
<211> 292
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020c08b1

<400> 3008

ggggccagcc acgaaagccg actgacgggc tagcacatga gcattaaaga tatggtgcag 60
cggccaccca ccgagagcga gagtaacctt aaagcgccca gaccccaacg acaagcgcn 120
cgacgagggc caccacggna gcagcgcccc acgggccccg aaggcgaacc ccggggacaa 180
ggccgggacc gccgagccgg gacggccagc cggagacgag cccaagcga ccaaccagng 240
ctcgcccgcc ccgacggcgc gagaaagaac cgccgggacc cggagacagg gg 292

<210> 3009
<211> 529
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020c10b1

<400> 3009

caccgtacct tttatcggaa gcaccaacca tggcggcggc ggcgaagata gcgccgacca 60

tgctctcgtc ggacttcgcc aacctcgctt cggaggccga gcgcatggtc cacctcggcg 120

ccgactggct ccacatggac gtcattggat ggcacttcgt tcctaattta actattggag 180

ctccagtgat tgagagcttg aggaagcaca caaaggcata tttggactgc catctcatgg 240

tcacaaatcc ttccgattat gtagaggcat ttggaaaagc tggcgcctca ggattcacat 300

tccatataga agtagcggag gataactgga aagagctcac ccaaagcatt aaagcaaagg 360

gcatgcggtc tgggtgtatca ttgaagcctg gtactcctgt ggaggatgtt ttctctctgg 420

aggaagcaga aacctctgta gagttggctt tcgtgatgac ggtcgagcct ggctttgggtg 480

gccagaagtt catgcccagag atgatggata agtacgtacg ctgaggaag 529

<210> 3010

<211> 609

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316020c11b1

<400> 3010

catttagcgg atttggactt ctttaacaac taaggctcct gtttttaaca ttttaaagca 60

taagggcata ntcccatcn ccaatagcta acaagaactc tttcttttct ttacaaatcc 120

caaaaccttt actagacttt ttctgcttct ttagcttact tcacctagag tcttctacct 180

tttcttatca ttgaatcaac cctttttttt ttttctttta aacacatccc aacccaaagt 240

ataagcggcc acctagtctt atctagtccg aaaaatgcga actagaacta catgagacac 300

tatctctgtc gttacgaacc taacactttc taccaagctt aatcggaata agacctcaca 360

aacactcaca agttatatag ggcttgaaag aaagtctagg tttgggtttg ggttaactgc 420

tctaataagg agagtcagct acttggatta aaaagagtga tcaaaatgaa taagaaaatc 480

caagtatttt acggtatcca tgagttcaaa tttgatgcag acatgataat taaagattag 540

attcaggctc aaattgatag ggaatggat cagatcatga cagtgtggtc gagtagagca 600

atctaagca 609

<210> 3011
 <211> 548
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020c12b1

<400> 3011

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catttaaagc tagggttttt gcccatctcc aatagctaac aagaactctt tcttttcttt 120
acaaatccca aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc 180
ttctaccttt tcttatcatt gaatcaacct cttttttttt ttcttttaaa cacatcccaa 240
cccaaagtat aagcgcccac ctagtccctat ctagtccgaa aaatgcgaac tagaactaca 300
tgagacacta tctctgtcgt tacgaacctt acactttcta ccaagcttaa tcggaataag 360
acctcacaaa cactcacaag ttatataggg cttgaaagaa agtctagggt tggggtttggg 420
ttaactgctc taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata 480
aaaaaatcca agtatctttac ggtatccatg agttcaaatt tgatgcagac atgataaata 540
aaagatta 548
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<210> 3012
 <211> 321
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020d04b1

<400> 3012

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anncaacgag ggcgangcga accggaaagc gccagaccc caacgacgag cgcgnngacg 120
aggaccacca cgccgcagcc gcgccagggg ccccgaaagc gaaccccggc gacacggccc 180
ggaccggagg gccgggaccg agaaccggcg acaagggcc aaccgaccacc cagggcncgc 240
ccgccccgac ggcgcgaaag agcaccgccg ggaccagca acagggggcc ccgacaaagg 300
aagcccaacc acagccgcag c 321
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<210> 3013

<210> 3015
 <211> 376
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020d08b1

<400> 3015

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 gcngcaatag ctcacgggaa ctcttaattt tcttgacca acccaaaacc gtgacgagac 120
 tgtgcccgtt ccattagctt actgcaccgc gagggggcta cctggcctta tcaggaatc 180
 aacccagga atgtgtgcct gtaaacacat cccaaccag agggtaagcg cccaccagt 240
 gctatctagc ccgaaaagtg cgaactagaa ctacaggaga cactatccct gtggttacga 300
 acctaacgct tcctaccagg cttaatcgga ataagacctc acaaactc acaggtgata 360
 tagggcttga aagaaa 376

<210> 3016
 <211> 100
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020d11b1

<400> 3016

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 accaagaagc aggggtgcacc taaaagccg caggcggacc 100

<210> 3017
 <211> 163
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020e04b1

<400> 3017

cagaaggcga accgcggagg caagcacgag gaacgacgag acggaacggc gacccgggga 60
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gaacccgggg gcagagcggg cccgaggaaa gccagcgcac acc

163

<210> 3018
<211> 296
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020e05b1

<400> 3018

cagccaagaa agccaaccga cggcatcgca cacgagcaat aaagattgcc gccgngccac 60
caacgagagc gaggggaaccg aaagcgcccg agcccacgac cagcccgnng cgaagccacc 120
acgacgcaga cgcccaaggg ccccgaaggc gaaccccgaa gacgggacag gccgaaggcc 180
ggacagcgac cggcgacgag cccaaacgac caacagagcc gccccccggg ggcgcgggcag 240
agcaacgcca gaccccgcac agggggcccc aagaagcagg ccgccacagc cgagcg 296

<210> 3019
<211> 403
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020e06b1

<400> 3019

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acaaatatcc caataatcag aatgggaagg aaacagacgg caaacacaat ggtgttaaca 120
acaacaatgg aggcaacagc aacaacaact ctgttgacaa gcgcttcaaa acattgccaa 180
caagcgagat gctaccgagg aatgaagttc ttggtggata catctttgtc tgcaacaatg 240
ataccatgca ggaggatctc aagagacagc tttttggctt gccagcaaga tatcgtgatt 300
cagtccgagc catcactcct ggtctacctc tttttctcta caactacag acccatcagc 360
tacatggggg gtttgaggct cccagttttg gaggatcaaa cat 403

<210> 3020
<211> 449
<212> DNA
<213> Triticum aestivum

<210> 3022
 <211> 586
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020e10b1

<400> 3022

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ccngcaatag ctaacaggaa ctctttatct tctttacaca tcccaaaacc ttactagac 120
tttgtctgct tctttagctt acttcaccta gagtcttcta ccttttctta tcattgaatc 180
aacccttttt tttttttctt gtaaacacat cccaacccaa agtataagcg cccacctagt 240
cctatctagc ccgaagaatg cgaactagaa ctacatgaga cactatctct gtcgttacga 300
acctaactt ttctaccagg cttaatcgga ataagacctc acaaactctc acaagttata 360
tagggcttga aagaaagcct aggtttgggt ttgggttaac tgctctaata aggagagtca 420
gctacttggg ttaaaaagag tgatcaaaat gaataagaaa atccaagtct ttacggtat 480
ccatgagttc acagttgatg cagacatgat aattaaagat tagatgcacg ctcaaattgt 540
agggaatgga tcagatcatg acagtgtggg cgagtagagc aatcta 586
  
```

<210> 3023
 <211> 496
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020e11b1

<400> 3023

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aacgagagcg attttaacct taaagcgccc agatcccaat gacgagctcg tcgacgatgt 120
ccaccacgtt gcagtcgcgc catgggcccc gaatgcgaac cccgtcgaca tggcctggtc 180
cgttgtgccg gtactgcgat cgggcgactt gtcccatcgc accatccagt tctcgccctc 240
ctcgtcggcg cttcagagct tcgccgtgac cctgcaacag gtggccccctt cgaagctgtc 300
cagccacagc cgcagcggca ttgagatcct cgttctcgac gttgctcccc ttccgctaga 360
  
```

cacggtgttc gtcaacctgg agagcgaatt gacaaaacgg ctggagagcg gcgagggcac 420
 cttttacatg gaccattcga caagccccc aa tgccaaggac gttgccaaca tgacgcccga 480
 ggagcgtcta gccacg 496

<210> 3024
 <211> 177
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020f04b1
 <400> 3024

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 nccgcccggc gagggccaaa caaccacaca gagatggccc nccgcccggg agcaacaaag 120
 aaccgcccgc acccggcaac aagcggcccc aggggaagcgg accaccaca gccgcag 177

<210> 3025
 <211> 231
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020f08b1
 <400> 3025

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 cccaacccaa aggagaagcg cccaccagn ccganccagn ccgaaaaacg cgaacnagaa 120
 cgacaggaga cacnagccgg ggcgcacgaa cccaacacnc acgaccaagc ggaangggaa 180
 naagacccca caaacacaca caagngacan agggccagaa agaaagccca g 231

<210> 3026
 <211> 236
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316020g04b1
 <400> 3026

agcagatgag agattcctgg cgaaggacga gaccaaacag gaaccagggg agatgaagac 60

caaaaggcca acccgcaacc ggcgggccgag gcgcacggag gagacgacaa gctagcaggg 120
cgaaacggga aagagcccta aaccggccag gcggcaagag actgacaaac agcaccagc 180
cccaagagcc agggcccacc cacaccaacc agatgcgcct ccagccaagt ggaaca 236

<210> 3027
<211> 578
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316020g07b1
<400> 3027

tacatctagc ggatttggat ttctttaaca actaaggttc ctgcttttaa catattaaag 60
cttagggcta tcgcccattc ccaataggta acaatgaact ctttcttttc ttacaaatc 120
ccaaaacctt tactagaactg tttctgcttc tttagcttac ttcacctaga gtcttctacc 180
ttttcttate attgaatcaa cccctttttt ttttctttt aaacacatcc caacccaaag 240
tataagcgcc cacctagtcc tatctagtcc gaaaaatgag aactagaact acatgagaca 300
ctatctctgt cgttacgaac ctaacacttt ctaccaagct taatcggaat aagacctcac 360
aaacactcac aagttatata gggcttgaaa gaaagtctag gtttgggttt ggggttaactg 420
ctctaataag gagagccagc ttcttgata aaaagagtga tcaaatgaa taagaaaatc 480
caagcggttt acgggatcca tgagttcaga tttgatgcag acatgataat taaagaatag 540
attcaggttc aaattgatag ggaatgggtt cagatcat 578

<210> 3028
<211> 578
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020g08b1
<400> 3028

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tagggctatc gcccatctcc aatagctaac aagaactctt tcttttcttt acaaattcca 120
aaacctttac tagacttttt ctgcttcttt agcttacttc acctagagtc ttctaccttt 180

tcttatcatt gaatcaaccc cttttttttt ttctttttaa cacatcccaa cccaaagtat 240
aagcgccac ctagtcttat ctagtccgaa aaatgcgaac tagaactaca tgagacacta 300
tctctgtcgt tacgaaccta acactttcta ccaagcttaa tcggaataag acctcacaaa 360
cactcacaag ttatataggg cttgaaagaa agtctaggtt tgggtttggg ttaactgctc 420
taataaggag agtcagctac ttggattaaa aagagtgatc aaaatgaata agaaaatcca 480
agtattttac ggaatccatg agttcaaatt tgatgcagac atgataatta aagattagat 540
tcaggttcaa attgataggg aatggtatca gatcatga 578

<210> 3029
<211> 465
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020g12b1

<400> 3029

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cgcccatctg caatagctaa catgaactct ttcttttctt tacaaatccc aaaaccttta 120
ctagactttg tctgcttctt tagcttactt cacctagagt cttctacctt ttcttatcat 180
ggagtcaacc cctttttttt tttcttttaa acacatccca acccaaagga taagcgccca 240
cctagtccta tctagccgga aaaatgcgaa ctagaactac atgagacact atctctgtcg 300
ttacgaacct aacactttct accaagctta atcggaataa gacctcacia acactcacia 360
gttatatagg gtcgaaaga aagtctaggt ttgggttcgg gttaactgct ctaataagga 420
gagtcagcta cttggattaa aaagagtgat caaaatgaat aacaa 465

<210> 3030
<211> 258
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316020h04b1

<400> 3030

ccccaccac aaccggcacg agacggggcc agcgccacca gcggacagca ccgagagggg 60

CCGAGAGGGG

cccaccaggc caaaccagag aaacaacccc gggccggaga gccgggaaac acacccaac 120
 ccaaaggaca agcgcccacc cagnccatgc cagcccgaaa agagcgaaca agaaccgcag 180
 gagacacgaa ccaggggggc acgaacaaaa cgcncaccac caagcgcaan gggaacaaga 240
 cccacaaaac acacacaa 258

<210> 3031
 <211> 233
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020h06b1

<400> 3031

aaccgcacgg cgcccacacc ccaacgacga gcgcggcgac gagggccacc acgnngcagc 60
 cgcgccaggg gccccgcagg cgaaccccga ggacaaggcc cggacacgag gggccggaca 120
 gcgaaccggc gacaaagacc aagcgaccac ccaggcctag cccgcccgga gggcgcgaaa 180
 gagaaccgcc gggaccccg c aacagggggc cccgaagaag ccgcccagcc aca 233

<210> 3032
 <211> 316
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316020h07b1

<400> 3032

acggcgagc ngcaaagggg aacgagagat gttaacctcc gggaccccc cccccaccga 60
 caagagactg gacgaggtcc accagcttac ttaaccgcga gggggccacc atgcgaaacc 120
 agtgaaccag gcccggtccg ttgtgctggt acacgcatcc cagcgccaaa ggccaaagcg 180
 cccaccagc cctagcccgg ccgaaaagcg cgaacgagaa ctgccgggga cacggtacat 240
 ggggacacga accagacgct cagtaccaga gcgaaagggg aaggagaccc taaaaact 300
 cacaggtgac ataggg 316

<210> 3033
 <211> 560
 <212> DNA

gttgccaaca tgacgcccga cgagcggcta gccacggcgc tcagggaagc tctcagcacc 540
ctc 543

<210> 3035
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316020h11b1

<400> 3035

agctggcacg catgcggggg cgggtcaccg aatttccggg gcgcccgagg aacctggcgt 60
atatt 65

<210> 3036
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316022a06b1

<400> 3036

gcgcttcctt gccagggaaa acaccaccgc acatctgccc ggccaagtag cagcagcggc 60
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ggcgaagaag accaaggccg agaagcgacc gccggcgtcc aaggagggcg gcgagaagaa 180
ggggaagaag aagtccaaga agagcgtgga gacgtacaag atctacatct tgaaggtgct 240
gaagcaggtg caccgcgaca tcggcatctt ctacaaggcc atgtccatca tgagctcctt 300
catcaacgac atcttcgaga agctcgccgg cgagtcgcc aagctcgccc gctacaacaa 360
gaagcccacc atgacgtcca gggagatcca gacgtgcgtg cgtctcgtgc tgcccggcga 420
gctcgccaag cacgccgtct gcgagggcac caaggcctgc accaagatca cctgctccta 480
gatgggctgt tccctgtcat g 501

<210> 3037
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316022d04b1

<400> 3037

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ttaatgacct gactggagac ttggaaggcc tgagcccaga cgaactggag gttttacaag 180
actgggaaga gaagtttaaa gagaggtacc ctgtggtggg tcactctcct ggtgaaaacg 240
gaacagctgg tgcccagcct gatcacgagg cagagaaggc ctaactctgt gtctgggttc 300
ttgtcccgtt gcctgtaagt tgatgtgtct ttactactg ctggactgtg agcggtagag 360
agatgtaatg cgctgacagg tgatgttggt tgtatgtgtg ctgcatgagt gtgtgctact 420
gatgcacctg cttt 434

<210> 3038

<211> 545

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316022d10b1

<400> 3038

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gagcacacat ttgacactct gaatgccaat gttgtttgac agcacacatt tgacactctg 120
aatgccaatg ttgtttgaca gcacacattt gacactctga atgccaatgt tgtttgacat 180
gacacatttg acactctgaa tgccaatgtt gtttgacatg acacatttga cactctgaat 240
gccaatgttg tttgtcagtt tgtcacttag cttttattat atgctcagca agatttgata 300
gaaggttgtg cgctatttg acactctgca tgtttctttg cagttaccac ttgtaccact 360
gagagactgt tggggcattt caggccagac tgcacccgag ctgttcatca tctgtcgtgc 420
aataaactgg atccatgttg ttgcccttga ctaatgagtc gctattgtga tacatcctgt 480
gtaaatgttt tgctggctgg atgggtatcg ctggaacatg aaagtttacc ttactgatgc 540
atattt 545

<210> 3039

<211> 325

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316022f09b1

<400> 3039

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ggaatagttg ctctctgggg ccagcaaata ccttacacta tgatgaaatt tgcattgctaa 180
gagaccatcg gtgagatggg gctcacgcat gctgtggcag aaccaaaga tcaatgcagt 240
aaaccattag aggtagcaga tgagctctga ggtgggctca ttgctggcgt cttgtgtgct 300
cgtggctatt atgctgacca caacc 325

<210> 3040

<211> 125

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316022f10b1

<400> 3040

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ttgtccctga aaaattatgg tacagccaac tgtgagtgtc ttcgtcctgg acttgacttt 120
gccaa 125

<210> 3041

<211> 431

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316022h10b1

<400> 3041

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tgtggatgca agcccacgaa ggaagatgtt aaaagatgtt tcatgttgga ttttgacaga 120
gcagctttta taattgcac aacagctagt gaagaggata tgcttcgctg gtacaacgag 180
cgcgtcgtgt ggaacgataa gcagctcaac ctaaagcttc tgagaaaagg agtattaacc 240
cgcatctatg cccaatggc gatcgtgcaa ggctgcggg agtctggcgt cttcacctcc 300
gtcatcagag cggccgtcga caatgctaaa gttcgactga aggaaagcgt tgaccgaaac 360

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316024c04b1

 <400> 3044

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 cggaggaccg aacctatcgc gccgcgggtcc cccctgcacg gaccgccagt cgccgccggt 180
 catggcaggg gcgggcggcg atcgggcggc gctgaccgtc ggcccgggca tggacatgcc 240
 tatcatgcac gacagcgacc gatacgagct ggtgcgggac atctgctccg gaacttgggc 300
 gtcgcccgcc tcatgcgcga ccgccgcacc atggagctag tccccgtcaa gtacattgag 360
 cgcggtgaga agatagacga gaatgtccag cgtgagatga ttcacatag atcactgtaa 420
 catccgaaca tcatta 436

<210> 3045
 <211> 433
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316024e05b1

 <400> 3045

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 ccccggagga ttccctgccc gagctcgaca atggcaaacg cttcatcagg agctgggatc 180
 catgatgact gcatgctgag gtgtcgggag ctcaagtcca acaggatgca ccgtttcata 240
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 acctatgacg acttcaccaa gaccctacct gagaacgact gccgattcgc agtgtttgac 360
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 ccctgcacgg caa 433

<210> 3046
 <211> 363
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316024f09b1

<400> 3046

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ggctctgcct gggccaccga cgaccagtcc ctccagaacg ccttggtcaa gtacggagac 180
gtcatcgact ccaagatcat cactgacagg gagacgggcc gttcccgtgg gttcgggttc 240
gttaccttcg cgtcggacga ggcgatgcgc caggcgatcg aggccatgaa cggtcaggac 300
ctgtacggtc gtaacatcac cgtgaacgag gcccagtccc gccgctacgg cggaggcggt 360
ggc 363

<210> 3047

<211> 490

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316024f11b1

<400> 3047

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gtcataccgg tgttatgttc ccggattttg cgttccttac acggttgggt gatttatggg 120
acccccttga ctgtttgett tgaataaaac tcctccagca aggcccaacc ttggttttac 180
catttgcccta cctaagcctt tttcccttgg gttctgcaga ctcaagggtg atctttattt 240
taccccccg gccagtgtc gtcgtgagtg ttggtccaac ttgtcaaccg ccggtggcca 300
ccaggggcaa ctttgtgtg gcttaccgga agtttgaca attcgggtgt cctgagaac 360
gagatatgtg cagctcctat cangatttgt cggcacagcg ggaggctttg ctggtcttgt 420
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<210> 3048

<211> 418

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316024g12b1

<400> 3048

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ccaccgccga tccggagtcg aagatgacca atgaacaacc agtaccgctg atgcttgtgc 120
ctgaccagga tgagtctgtg cacctgcaac tggcatggtc atggcccttc attgccattg 180
tgtgtatgag gacgagacca tagataaaga ggaagtgcgt gtccgcttgc tgtgtgatca 240
acaacaactg gacctgaatc tgaccctgac gaaagaaaaa caagaactgc ctgctgccag 300
agctaaaagc atgagctatg atgacacaag acctaatgtc gaactgggca gctgggtctac 360
aacgtacaga ctggtgaatc ccaaaaccct cccaactcac aactttagca gcacatac 418

<210> 3049

<211> 452

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316024h01b1

<400> 3049

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ggctgcggcg ggtgcaagat gttccccgac gttgaggcca cgcgcggcgc cgccgccatg 180
gtcatgcccc ccgcctccca caaggggagc tccggcgggg tgcgagacggc cggcggggag 240
accggcggtc gcgactgcac cacctgcaag tgcggcacgg cctgcggctg ctctgtctgc 300
agctgcaact gagccggcgc ccaagaagcc cgctcgcgag gcgagcacga ggatgaagag 360
gacaactgga canngacca ccatcaccac caccaccatn actagcccgc tgatgcgccc 420
gcccgcgcgc gcgctgaata aaataaaacc gc 452

<210> 3050

<211> 295

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025b07b1

<400> 3050

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 tgataaatag gcctggggag ttagtgtaca gacacctggc gtcccatgg tccttcgggg 120
 cctttgtttt ttgggggggc cgtttttggg ttccctggtt tcggcccggc ggccctccggt 180
 ttttggtttt tcttttgggg ccccttggtt gttttttcgg ggccggtttt ttccccggcg 240
 gtgggggtgg caccctggg ggccgccctt tttgtccctt ggtactaatc tcct 295

<210> 3051
 <211> 348
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025c10b1

<400> 3051

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 ccgtcttgaa ttttcatgaa gtcagatcac agtgggatgt taaatgataa taataatgct 180
 gccagatgta tgcacatcat caaggcttgg ctgcaaataa catttttctc ccagatttgt 240
 gaaaagttac tataatgtga agtatgatag tattgatgaa gtatgatatt gacatccatg 300
 cgacgccaaag gaattcaaaa gaatttgaaa gaacttggtc ccttttaa 348

<210> 3052
 <211> 510
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316025c12b1

<400> 3052

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 cgccggtgga gctcgagaag ctcaagcaca agaagaagcg cctcgtgcag tccccaaact 180
 ccttttcat ggatgtcaag tgccagggt gttcaacat aacgactgtg ttcagccact 240
 ctcagaccgt ggtggtgtgc cctgggtgcc agacggcgct ttgcctaccc accggaggaa 300

aggcgaggct caccgagga tgctccttc gccggaagg cgactaagct acactcctgt 360
 ttatgtgaaa atgaaaccca ggcgaacctt acttttcaag taactaagta tccccgatgt 420
 gtactgggca aattctgcta attatgcttg cccatctgcc agcctgaacg ttgnatcaac 480
 gtgttctatg tcatgcactc ctgatttgcc 510

<210> 3053
 <211> 85
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025d04b1

<400> 3053

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aaaaaaaaa aaaaaaaaaa aaaaaa 85

<210> 3054
 <211> 224
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025d05b1

<400> 3054

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ggaaatcgac ctctattagt ttatccatcc tcatgtacaa atcagagaaa cacacatgca 120

tgccctcgat cgggtgtctac acggtgcac tgtgaggaaa tctgcattta attcaccggc 180

cggccgtgtc tatttatgcg acgctgaatg atcctgcgga gtcc 224

<210> 3055
 <211> 476
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025d09b1

<400> 3055

ccgtacaaa gctggagcga gtcccttcta gagagcccct tgagagtcgc ctgtagcttc 60

cccgatcccg cccgatcccc aatctccgac gacggcgatg ccggccggac gagagatggg 120

CCAGGAGGCT CACC

gaaaactatt ggatcgccag gcaggggtat acttgccatg gatgagtcga acgccacctg 180
 tggcaagaga cttgcctcga ttgggcttga gaacacccag gctaaccacc aggcttaccg 240
 gacccttttt gtcactacac caggggttggg aaactacata tgtggtgcta tggctcttga 300
 ggagacgctc taccagtcga ctgttgatgg aaagaagcat gttgacatcc ttgtcgagca 360
 gggaattttt cccggtgtca aggttgacaa gggctcttgtg ccacttgctg tttccaatga 420

<210> 3058
 <211> 303
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316025f11b1

<400> 3058

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 aaaatccggg tgtaccatcn cgagcgatgc cggagcgcca cgagtacat ccaatgattc 120
 accgcatgca cgctgtgtgg ctgactgctt agaacgtgag gagtcggaca acgggcatct 180
 ggatggacca tgggcgccat gggccatctg tgggtggagg catgacgaat gatgaactga 240
 gtgccggtct cccgtcgttg gttgaacaac tgacacctga agccagactg acggcgacca 300
 aag 303

<210> 3059
 <211> 415
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025f12b1

<400> 3059

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 aaatctgggt gtctcaccgg cgacgccggt gcacgagtga accaggatgc actgatgacg 120
 ctgttggtg acggctagca gtgcggagcc ggacaactgg caacaggatg gaccatgggc 180
 gccaggggcc atcggtgagg gggggcagaa cccaagacga acggagagcc ggtcgcccgt 240
 ctctgggtga tcaacgaacc cgtgatgcga gacggacggc gaccaaagac gaactaggac 300
 ttggcgctgc atagctgaaa gaggagctag gtgactcgag gcccaaggtc gtcactgtgc 360

gctggtcaca acgttacaga ctgggaaaac gctgaaagca cccaacttaa taacc 415

<210> 3060
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025g12b1

<400> 3060

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cctgtcttcc cctggcgtgc tggggatctg gtggcgcccg tcgaacgtcg agaggtggca 120
cagccccctcc acacacttgt tctctctcca caggatcctc aattcctcat ttaaaagctg 180
tgatatttcc ctacttcatg gatgtatgga actgctgaa tgggacagcg aagccactgt 240
catgaaactt gcagaatgat gatagagata tcgaaagact ctctaactg aggtgtgaaa 300
taaaaggcaa atgcgaagct cttgcatcaa tcctcatact gattcctgca tatattccta 360
cagaactaca acatgtttgg agatgacaag atcgaacagg acggtgctct caggtaagcg 420
gtgagtgga 429

<210> 3061
<211> 493
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316025h03b1

<400> 3061

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gcatctcact ggagagtttg agaagaaata cgagcccacc attggtgttg aagttcacc 120
attggatttc accactaact gcggaaagat ccgtttctac tgctgggaca ctgctgggca 180
agagaagttt ggtggcctta gagatggata ctatatccat ggtcagtgtg cgattatcat 240
gtttgatgtc acttcaaggc tgacctaaa gaatgttcct acgtggcaca gggacctgtg 300
cagggtttgt gagaacatcc ccattgtcct gtgcggcaac aaggttgatg tgaagaacag 360
catgttaagg ccaagcaggt gacattccac aggaagaaga acctgcagta ctatgagatc 420

tctgccaaga gcaaactaca cnttgagaag ccctttcttt accttgccang gaagctgggc 480
tgtgatccca aca 493

<210> 3062
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316025h11b1

<400> 3062

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ctgccttccc ctggcgtgct ggggatctgg aggcgcccgt cgaacgtcga gaggtggcac 120
aggcccgcca cacacttggt cctactactc aggatcctga actcctcatc taaaagctgt 180
gatatttccc tccttcatgg atgtatggaa ctgcgcgact gggacagcga agccactgtc 240
atgaaacttg cagaatgatg atagagatat cgaaagactt cctaacatga ggtgtgaaat 300
aaaaggcaaa tgtgaagctt ttgcatcaat gtcagactg attcctgcaa atttttctac 360
agaactacac catgcatggc gatgacaaga tcgaaaagga cggtgatata aggacagcgg 420
agagtggagg aggaagaaaa ggtgggatgc caatcatcaa tagaatat 468

<210> 3063
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316026b08b1

<400> 3063

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tcgccggccg gccagagcag ggcacgcag caatggggct caggtgcgc atcgtcgtcg 120
gcgccctcct cctcctcctc ctctggcgg cgccggcggc ggccgggggc gagtgggact 180
cgccggagtc gtgcgccacc cctgtgagcg tgtaggcggc gtgcctgggc gcttccgtca 240
cgcaccaccg cgtggactac gagcactgcg tcgggttctt gtactcg 287

<210> 3064
<211> 496
<212> DNA

CCAGGACACG

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316026d10b1

<400> 3064

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ttttttatga cttgttggga aaggggagcc cacaggacga cgcccgagc acgctgacgc  120
cgaggaacgc cgttaggcgc gagctgcaga ccacaatcac ggcagcgacg tctacacaag  180
cgcatcaaaa gcccggtt aggccgccac cgtaaatecg cgaaggacca cccccgaat  240
cgatcggcgg accggaatgc tccgttccgc atccgaccag gacgcaacgc cggcccccat  300
ccgcgttccct cccgacaatt tcaagcacc ctcgactcta tcttcaaagc ccttctcatc  360
tttaccaccg aggcacctag cacgctaate ggctcgctcg ccgcatttca gccttggacg  420
gaatttaccg cccgaatggc cgccccacac cgccgaacgg cctaggcaca ggcggacacg  480
gttaccttcg cccctt                                     496
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<210> 3065

<211> 580

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316026e11b1

<400> 3065

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aaaacatcgg cccaagtagc aaccaaagcc cgttatggac aggacacggt ccaagccgca  180
caaggaatgg tctgtgtggt cgtgggattg taaccaccac caccttcggt gaatgggggt  240
gggtgtagtgg tgccaccagc tacaccgttt gaagagttct acgcgactgt gactgcgagc  300
tttatactct tcagcgcatt ggctcgggtga ttccacagat tgaagtatcg aggaccagtg  360
gttgtgagag ctatgttcgt ggttccgctg atgtcgactt taatgtagtt ccctagtatg  420
caactcttgt agtcgttctt gcttcacttt attcatcgtg tgaccggtac cataattgaa  480
cattgtgtaa cccctttgta tcacctatgt catgtacctt ttattgagcg tatttgtact  540
attgtttcgt actttttctt gtcacccat gctttatata                                     580
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<210> 3066
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316026g08b1

<400> 3066

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attatgaact gtgatccaat ttattgaata ctccctccgt ccagaaatac ttgtcgcata 120
aatggatgaa aatggatgta tctagaatta aaagtacatc tagatacatt catttcaatg 180
acaagtattd tccgacggag gtagtatttt ttacagttc ttggaattc ttatttttat 240
gcttaacaag aatatgctga atgtcgttct aatttatctt tagtaagcag gcaaattcaa 300
attggctgaa tgttgtttca agtt 324

<210> 3067
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316026g09b1

<400> 3067

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atgatgctga cgtatgaccc tgacaagatt aagtccgtac aaaaggcgtg atcttgggga 120
tttgcgcca aagaaattdt gggcacgaga tcaagacatg agatattcag atggacgaac 180
tacattdtat gatatatcaa cagaaccag gagtcggact gacggaagca gaaggcgtc 240
tgtgtgatcc gagacatgta actcaaagac gaggttgccg agcacgactg cctaccatag 300
gctcagtcca tggctctaca acacacatgc tgggataacg ctatccttac tatacgataa 360
tttctaagaa taacatctca taatattgtg atagggtaat attggatatg catatataaa 420
ctgtattdtc caacat 436

<210> 3068
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316026h10b1

<400> 3070

tcaagggttac tcccccccttt catgattttg catctgagaa tcgatgctgg acagataaac 60
aaaaaaagac ccacgttctg gttgatgcat gactgtgatg tgaagggtga aactcagctg 120
tcattcacta tgacctttta tgacataaag atatgaaaga ggcaaactgc gcaagctctg 180
atctgtgggt caatgcccaa atattaagta gagctcattc gcctttatgt tggctgtcgt 240
gaccggccta tagctgttct tgattaccta tctttattga cttgtgctat ttgacattag 300
gcttgaactg ggaccgggac ttcgtcttag caacctctat aatggaaagg aactgttttt 360
gcaagaccct acttaactaa tcaattgaaa ccttagatag atacgagaac cacgataatg 420
taatgaaact tt 432

<210> 3071

<211> 554

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316027a02b1

<400> 3071

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gctgtccccg tctcaccgc ctccatcaa gccggtccg gatccaggcc gctcagtcct 120
cgcccgcgcc cccacacgta aatctccgcc gcctacggcc ccgcccgtca cgacctcccc 180
gcgtgcagat ccacagtcgt cgacctacc ggccccgat ctgccccggc cgcgctcctc 240
cccgtccaca gcatagaaag agggaaccca ggaacccctg tacggcctca gcttggtcat 300
aagtatttcg agaaacccca agaaatctga agaaacccgg agggagggac accacagagg 360
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cctctcgggc gtgggagaca ggaggtcagt ttgagtgett ttgcattcct gttctcagaa 480
ttgggtcaat acaaccagac acaagttgac aacatcgctg agctggaacg aaggctggag 540
ggacctggta tgct 554

<210> 3072

<211> 467

<212> DNA

<210> 3076
 <211> 515
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316027c08b1

 <400> 3076

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 cttttgttgc agctccaggg aactctcttg ttgttgctga ttatggccag ctggagctga 120
 gaatcttagc ccatcttact agttgtaaaa gcatgctgga tgctttcaag gctgggtggtg 180
 actttcattc tagaacagcc atgaatatgt acgagcatgt acgtgatgct gttcacgaaa 240
 agaaagtact tcttgagtgg caacctcaac caggtaaga gaagcctcca gtgccattgt 300
 tgaaggatgc ttttggtgct gagagaagga aggctaaaat gcttaatttc tctattgcat 360
 atggaaagac agctcagggg ctatcccggtg attggcaggt gtctgtcaag gaggcaaggg 420
 atacactcaa actctggtac agagatcgaa aagatgtttc agcttggcaa aagaggcaga 480
 aagagcttgc tcgtgaaaaa tgcgaagtat acaca 515

<210> 3077
 <211> 465
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316027d03b1

 <400> 3077

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 ttattgggtg acaacatata caacttcggg gagttgcttg cccatccaat tatccacagc 120
 cttgtgggaa catcggtgga gtggatttat catatattgc aagcgttcaa ctctggcaat 180
 ctacgctcct accaggaact ctgcaaagtt cacgcccggg ctttgagtgc gcagcctgct 240
 ttggtacaga aggagagggg acttcttgaa aagatcaata tcctttgctt gatggaaatc 300
 attttcagtc gagcatccca agaccgtaca atcccgttga gcactatagc tgaacagacc 360
 aggctctcag ttgaagatgt ggagtatcta ctaatgaaga gcctctctgc tcatcttattc 420
 gaatgcatta ttgatggngt cgacgggact gtccatgttt catgg 465

<210> 3078
 <211> 333
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316027d10b1

 <400> 3078

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 ctccggcgac gtctccaggt cctcctcgag ggacacgacg ggggagtcga atgtcgtcca 120
 ggagctcggg ggctactgct tgagctactc ctacgtcatg gcgaacatga tggaggacag 180
 gaggtgcagt tacgagagtg ctcaggtgtc tagcgagatg ccaacgacgc cgacaacgga 240
 gcgagctggg gagacgactg cgggtgacgaa gggggtaggg gagggaccaa gcgccaaacc 300
 ggaagcggcg ccgggagcgc cgaacggagg gat 333

<210> 3079
 <211> 465
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316027d12b1

 <400> 3079

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 agaagacaat ccgttggagg gaaacttttc acatacttac attgcaagaa cttgagaaat 120
 ggtcccattht ggtcttttgg catgggtttg acactacact tcggccttgc ttagtaatcc 180
 gtcttggact cgcgtgctct agcatagccc ctcgtgatag accttggtttt gggcaagcag 240
 tagtttctca gattgaccat ggtattatac atttgaccaa cgaagaagat ccaagaatta 300
 ctgttttgcg ggattgccac gggattttct cattcaaatt tccgatgcaa atgatgaggt 360
 cgcttgcgca cttggttcaa gaaaactacc caaatcgtct tggagtatta attgttgcgc 420
 gtctttctcc agttgtcaga gttattgcac agactnttat tcaac 465

<210> 3080
 <211> 474
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316027e01b1

<400> 3080

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catagtccgg gatcgagaga tctctaggat caacctcaag ggtagtcgac cggaggagat 180
caagcaaccc aaccgaagat gtcggtgacc tccaacaccc cgacgagggc caactcgca 240
gtgaactact cgaacgagat ccacgacctg tccacggtgc aggacggcgc cccagcctc 300
gccccagca tgtactacca ggagaagtcc ttgcgcgact tcttcctcc ccacctcgga 360
aagaaggtga tctcggagtg gtggcgacgt tctgtctggt gttcgtgacg tgcggtgcgg 420
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<210> 3081

<211> 269

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316027e02b1

<400> 3081

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ggtgcgctat ttttgattgc accaagagtg ctagatggcg gacggagcac tgagtgcgcc 120
atggtggtgg caagagatgc aggttcgacg gttgggtgaa gagtgcgcag agcagcactg 180
atctctacac agagcacggg ggatgccaag cgctgctaata gggggctgcc ggactctagc 240
ttgtgtcttg gtacaaagaa ggatgctaa 269

<210> 3082

<211> 453

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316027f01b1

<400> 3082

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gcttgtagtg agtgcgaggc tgccactgct tgctgacaca acagcttgct catcgatcat 120

tccaaggcca tgtccatcat gaactccttc atcaacgaca tcttcgagaa gtcgcgccggc 300
gagtccgcca agctcgcgcg gtacaacaag aagcccacca tcacgtcgag ggagatccag 360
acctccgttc gcctcgtcct ccccggcgag cttgccaaagc acgccgtctc tgagggcacc 420

<210> 3085
<211> 422
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316027h08b1
<400> 3085

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gacctgatg cagtcaatgt ggcgtacaac atggcgcccta tcagtggcca cttggttctc 180
ctatggatgg atctgcatgg acgagatgat gaactgagag gccctcgttc gctccgttgg 240
cgatcaatgg aacaccaact gtaccctgac ggagacctga gagggactag cgatgaactg 300
gggctacctg tgagaggact ttgataacac ctggcctaca ctaggcactg gccggcgact 360
gacaccgttt tgactgggaa aacgactggg aaaaccatgt taatacccat gttaaacatc 420
ct 422

<210> 3086
<211> 386
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316028a04b1
<400> 3086

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ctgtttgcga aaaataccgg gaagatcttc cagactgact tccatccagc ttatgatcca 180
aatggattga tcgagttcag tgagctagtt ccatttaggc tgacacgcaa catgcaagct 240
ttctttctcaa attttggcgt tgaaggtctc atcgcttctg ccatgtgttc tgctgccag 300
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gacgagctgt tatcttggtc atggaa

386

<210> 3087
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028a05b1

<400> 3087

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ccccgccgcg ccgacgcgtg gggcaaggag ggccacatca tggctctgcaa gatcgccgag 180
aagtacctgt cggaggaggc ggcggcgccg gtgcatgacc tgctgccgga gtcggcgggc 240
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agccccgtcc actacgcaa ccccccaac gtctggaact tcaacttctc cggggattgc 360
cacaactcac gcggtgagca ggggatgtgc gtcgtcgggg ccataaaca ctacacggac 420
cagctctaca cctacgggga ctcccccaag agctcgta 458

<210> 3088
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028a08b1

<400> 3088

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gctgcttgctg gcgaagacca cggcgcccaa gggcgccgcc gacaaggaca aggacaagaa 180
gaaggcgctt gtgtcccgtt cctcccgcgc cgggattcag ttcccgggtg gccgtataca 240
caggcagctc aagcagaggg tctcggctaa tggccgtgtg ggtgccactg ccgctgtgta 300
ctctgcagca atccttgagt accttactgc tgaggtcctt gagctggccg gcaacgccag 360
caaggatctc aagggtgaagc gtatcacccc tcgccacctg cagcttgcca tccgtggaga 420
tgaggagctg gacaccctca tcagggcacc atcgctgggtg gtggtgacat ccctcaattc 480

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525

<210> 3089

<211> 389

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028e04b1

<400> 3089

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tacatgttcg acataggggg cagggcatgc taataaaagt tctgtttgcg aaaaagacgc 180

ggaaggacct tccagacgag actatcatcc agcttatgat ccaaattggag tgaacaactg 240

caccgagctg gctgcatttc ggctgccaca gaacatgcgg gccttcttgt gaaatatcgg 300

cgagaagggc ctgatcacac gtggcctgag ctctgctgtg cagcgtgtgg ttccacctaa 360

acaaatggga acacatatgg cattaccca 389

<210> 3090

<211> 223

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028e05b1

<400> 3090

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atccgcgccc ggatctcccg ggccggcggc gatggcgctc tccgatctct cccgcgactc 120

gctgctcccc agcttactgt actccccgag ctcttcgctc gccgccgtct tcgcgcgctt 180

gcactgctcc ccgtggccct accaggcgcc cgacgaggcc ccg 223

<210> 3091

<211> 439

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028e11b1

<400> 3091

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agtaccctaa actaagtcgt gattatcttg tacttatgtc gcacttggtg gaagtgcacc 180
ctgagaaggt tgctcactca aacagggatg cttttggaag aattactggg agtcttgaat 240
ttggcctgcg taatcaggat ggcgatgttg ttgagagggt cctcacagca ctaaagccc 300
ttgcctcgta ccatttcaaa gaaagacttg gaggcataagg agggcttggc tcgcaggcta 360
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ttctactgca actacttct 439

<210> 3092
<211> 90
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316028f11b1
<400> 3092

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gcttcacttg tcagccccct agcggccgat 90

<210> 3093
<211> 415
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316028g07b1
<400> 3093

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tggtgccgtg aaggatctga agcgtggttt tggtgcatcc aactccaagg atgaccctgc 120
caaggaggca gccaaacttca cctcccaggc catcatcatg aaccaccctg gtcagattgg 180
caacggctac gccccagtgc tggactgcca cacctcgcac attgctgtca agtttgctga 240
gctggtgacc aagatcgaca ggcgatctgg taaggatctg gagggcctgc ccaagctcct 300
caagaatggg gatgctggca tagtgaagat gattcccacc aagcccatgg ttgtggagac 360
ctttgctact taccacctc ttgggcgttt tgctgtccgt gacatgaggc acact 415

<210> 3094
 <211> 379
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028g10b1

<400> 3094

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 cgtacattct gtggtgcaaa gaccagtggg cggagatcaa gaagagcccc gatgcacact 180
 tcaaggaggt gtcgaacgcc ctgggcgcca aatggaagac cctgagcagc gaggagaagc 240
 atccgtacga ggagaggtac cggcaggaga aggaggccta cctgcagggtg gttggccagg 300
 aagatgcgcg aggacgatgc gattaagctg ctggacgaag agcagatgct ctggactgcg 360
 aaagaaattg ctgaacagt 379

<210> 3095
 <211> 440
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316028h04b1

<400> 3095

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 accttataat attttttatg cattaatata aggtttataa tattttgtgg agcaatcagc 180
 tgtgcataga aaagagctca cctaaattaa tgacacgttc atcttatctt cgattaaataa 240
 aatttgcccc ctaatattca gttctactga gagttgtaga aggcaaaaat ccagcatatt 300
 aactcaagta agtggttttg gtatttccca acgtaattaa aaaatttctt ctcaaaatac 360
 gacatggtca ttgtcggaaa aagatattta gcatgaatgt aggtgctctc atatgaagct 420
 ggacatgttt acaatgatcg 440

<210> 3096
 <211> 485

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316028h08b1

 <400> 3096

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 acacactggg gggactctgg acctgcatgc actgaacgtc caaatcttcc ttaagatgca 120
 ccggtcagat tatgctgaca aacaactgaa gatcatgcaa caaactgacg aggaccatac 180
 actgacacaa ctagcaaatg cttggctcga tattgctggt ggtggctcta agatccggga 240
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 tggcaaggca gatcgctgta tgcatatggg gagctttgag gaggctgaaa ctctattgct 360
 tgaagcccta aacaaggatg caaaaggatc ctgaaacttc ttgcaatctt aatggatgta 420
 atctccacct tggcaaaccg tcggcacgat acttcagcca gcttgaagct gcgcaccctg 480
 atcac 485

<210> 3097
 <211> 341
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316042a04b1

 <400> 3097

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 aggaacctgt tgcccccaat ggcttctctg cgcgccgccc ccgggccctt cgcgctctgc 180
 attctgctgc tcgctgcccc ggccgtctcc gccacgttcc tgttcgacgg cgggaagtgc 240
 gcggcgaaga gcaagggcaa gggcaaggag gcggtcgacg tggagtggcg gccggccacc 300
 gcgaacgtgg taccggcgaa agccgagggg cgacgggcag c 341

<210> 3098
 <211> 490
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316042d07b1

<400> 3098
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tcattgggaa agggaaggca gaggcagcaa acaagcagac agaggcaatg gacttccggg 180
attggtgcga cagcgagtgg tccaggctca ctggaacaaa tgatacaagt ttccttgagt 240
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ttgaccgcaa cggtcagttc atcgacaggt tcttcaacta caaggctttt ctgtccacag 360
atgtgatcga gatggcattc agagcgccca gcaaccgcgc tccccgtctg aacccccgctt 420
ctgcagccaa aggagggcca agtgccgagg cagagcatga tacaggagga aagaaaaaag 480
ggaagaaagg 490

<210> 3099
<211> 461
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316042e04b1

<400> 3099
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tcacagtgca tttgcatgag aagcccttca caagaaaaaa ctatacattc acattttttt 120
ctgcggaaac tatatatatta cttattattc agagctcact gtataaaatc cgagtgggtgc 180
tcaagatggt aattaactag ctttgtgaat ggggtggtga aaaatactgc tcactttatt 240
tgtttggtcg caagcctata tcatgtacac atactgctca atttatttga accttcagaa 300
aataaatcaa tttgctcaag cctttctgct gttgattcca gntcattgga gtaacttta 360
tatttcttct cattgcatca gttaacatga atgcaaaata atttggtggt ctatgcgatc 420
ccgtttangg atgatgccac taagttgcta taattatgct t 461

<210> 3100
<211> 460
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316044c05b1

<400> 3100

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acggcctcgg cgccggagcc tgtggaggac ctggccccgg gcccggtgct ggtggagctc 180
ttctcctcgc aggggtgcgc ggcgtcgtct gaggcggacg cccttggtggc gcggctggcg 240
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gactactggg actaccggg gtggaaggac cccttcgctg acagcgctg gaccgtgcgg 360
cagaaggcgt acgtggaggc gctccggctg gacacgtctt tcacgccgca ngtcgtcgtg 420
caaggccgcg cggactgcgt cggcaccgag caggacaagc 460

<210> 3101
<211> 330
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316044c09b1

<400> 3101

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ccggtcaccg nnnnaggggt cgtcgtcggg ccaccgggtc cctaccgctc catcaccaac 120
cctccgtcca agggggccac cccgcgcccg acggtcacca ctccctaccgt cgtcgtcggg 180
ccgccgggtc cataccccgc gccaccggtg atcgtccct gcggtcacca ctccaccgtc 240
ggcgccggcc accactccca ctccaccgtc tccgtcggtc accgtcccc cgtcgacgcc 300
ggggaacact cccccgtcgt cgacggggtg 330

<210> 3102
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316044d04b1

<400> 3102

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ttgtttgaca acattctcat caccgacgat gctgctttgg ccaagacatt tgccgaagag 180
acctgggcca agcataagga ggctgagaag gctgctttcg atgctgctga aaagaagaag 240
gaagaggagg atgcttccaa ggctggtgag gatgatgatg acttgatga tgaggaagcc 300
gatgaggagg acaaggatga caaggctggg tctgatgcgg agtctgatga cgagatgcac 360
gatgagctct agatggatgg cgaggaaaga tgagaggagt 400

<210> 3103
<211> 450
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316044d07b1
<400> 3103

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taaggatgcc ctggtcaaga acataaggag gagaatgaca ccacagccac tcaagattcg 180
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gaggaaagct gaagctgctg gaaatgctga ttgccctgtg aagattaagc tagttgctcc 300
tccgctttat gttctgacca cacagacact tgacaaagac caggggatag cagttctgac 360
aaatgcaacc aaagtttgtg cagaggcaat tgaaaagcac aaggngaaat tgggtggtgaa 420
agaagcagcc agagctgtga gcgagagaga 450

<210> 3104
<211> 541
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316044f07b1
<400> 3104

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<400> 3106

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acgcggcacc ggagtacatc cagacggggc ggctgaacgc caagagcgac atctggagct 180
acggcgtgct gctctacgag ctcatcacgg ggcggcggcc catcgacggg gagcggccga 240
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ggctgatcgt ggaccccaag ctggagggcc gctacagcat caagtcggtg gccaagctgg 360
tcaccgtcgc caaccgtgc ctgccaggc tgcccaaggc gcgctccagg atggnngagg 420
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<210> 3107

<211> 374

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316044h05b1

<400> 3107

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tgcggtgca ccagtgcaa gtgcggcacc agctgcggct gctcctgctg cagctgctag 180
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ctgattaact cttt 374

<210> 3108

<211> 473

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316044h10b1

<400> 3108

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cggtagccaa cgtaaaggtc caacatgaaa tcaatgttgg tatgtcaa at tgctttggat 240
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cgacgaatct tggccagaac agtggagggt ttttttcagg aagctcttga gttatttcga 360
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ggatccaaga tccattgcat tttagatata cccatccgat tcgatttgaa aca 473

<210> 3109
<211> 69
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316045a01b1
<400> 3109

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acaccaggt 69

<210> 3110
<211> 425
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316045a12b1
<400> 3110

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<210> 3111
 <211> 472
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316045b03b1

<400> 3111

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cttcttgagg cacagagtgc aactggcaat caaaatctcc ggcattcact ggtggtacaa  180
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cgagatgagg gactcggagc aaagctcgca ggcgaggagc gcaccagaag aactagtcca  360
caggtgttga gtgctggttg gagagagggc ctaaagtgtg catgcgaaaa cgacttcct   420
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<210> 3112
 <211> 458
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316045b05b1

<400> 3112

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cgccaaaaga atagtgaat tggtaaatga tgttggtgct gtggtgaaca acgatgctga  180
cgtcaacaaa tatctgaagg tgggtgtcat tccaaactac aatgtatcag tggctgaagt  240
gctcattcct ggcagtgaac tgtcacagca catcagtact gcaggcatgg aagcaagtgg  300
aacaagtaac atgaagttct ctctgaatgg ctgtgttata attggaactc tcgatggagc  360
caatgttgaa atcagagaag aagtgggaca agacaacttc ttccttttcg gtgccaaagc  420
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<210> 3113
 <211> 476
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316045b06b1

 <400> 3113

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 gtggactggg agagcacctt cttcgtccgc cacctccccg cctccaacct cgccgacctg 180
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 aagcgagcat tcgccggttc aaggggcccg acgttcggca ccaagggtgag cagctacca 360
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<210> 3114
 <211> 501
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316045d03b1

 <400> 3114

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 gagctaaaag aggtctggaa agccgctcct gctccaccga atgacaagta ccagtataca 120
 tactttgcgc acaaaataaa tagctttgat acagcaccta agaagctctt gccttcagac 180
 tcccgattaa ggcccagacag atatgccctt gagaagggcg acatgtctaa atctggggca 240
 cacaagagca ggcttgaaga acaacaaaga gctgagaaga aaattcggga caccaagggg 300
 gagcaattta ctccaaaatg gttcaaaatg accgaagaca tctcccctac gccgtggggc 360
 gatctggagg tgtatgagta caatggcaga tacgccgagc accgggctgc gatagacagc 420
 tctagcgtcg ttgcgcagga gacagacgtg agctccatcg agttcaaccn gtggcagtat 480
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<210> 3115
 <211> 443
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316045d09b1

 <400> 3115

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 atgctgcagg agcctgccgg agcggggccac gccaacggaa acgccgggcg gcgccacgag 120
 gggagcttcg tggctctggca gctcgcgccc ggcattgtggc tcgtcgagat ggccgtggcc 180
 ggccacagcg tcgcgcgcgg cagcgacggc cgtgttgccct ggccgcgcac gccctggctc 240
 ggcgcgcacg ccgcgcgggg cggatcgcgc cactccgac gcgcccttca gggcctggac 300
 ccggtgatga tcgcgtccat cttctagacg gccgagcacg ccggcgagaa gcatgtcgac 360
 ggggaggact gtttcgtgct gcgcctcgac gtgggcccct cgacgctgtc gagctggagt 420
 gaccgcacgg cggaggtgat ccg 443

<210> 3116
 <211> 312
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316045f06b1

 <400> 3116

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 actaaaaact aacacctgat atgttcctat cccgggcggg cggctttatc tatccctcc 120
 tccgtccccc tccctgcgcg gccgtgtctt ttcttttggt tggccttgct tgacttcctt 180
 ggccggcccc ttgctccacc gcgcgggat ttccccctcc ctgccccacc ccaattgctt 240
 tgccttgcat cccccctcct tttggtgggc gtttgttgac acgaggcgct ccgttcccc 300
 ttcccttccct tt 312

<210> 3117
 <211> 455
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316045g05b1

<400> 3117

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ccgcggaggc tgcagctggc acggaccgcc gcgaggccag cgaggcgcg cgtggtggtg 180
gaggcccgcg ggggcagggg ctggtcggac cggcagtccc agcagcagcg gcgcatgccg 240
cagctcccca agatcgagga cgacggcaac ccccgttcg tcatcttcat ccgcaccgcc 300
aatgtgtact tctggtaccc gctcaacatc gtcaccggcg gcaccaccgc caagatcatg 360
ctcgccgcca ggacaacttc ctcggaagt acatctacaa ggacacgctc gcccggaaac 420
ctcgaccgt catttacaaa gacgaggacg acata 455

<210> 3118

<211> 326

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316045g07b1

<400> 3118

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gccgggaagc gggcgagga ccacagaaca gagaccagcc gccgctgacg cggcgacgcc 120
agaccagga cggggtcccg accaccaca tggcgaaggc acggcccggc cgagggaac 180
gctgcgctgg ggaggaggcc aagacaaaag atgaacggac cgccccccac cgcgggcgga 240
gagaacaacc gaaccgcgag gccgaccgga cggagacaaa agaagaaccg gcgcgcgggc 300
gggcagaacg aagagagggg ccacga 326

<210> 3119

<211> 478

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046a02b1

<400> 3119

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actacctgtg atacaggcac cacggttgat actttggtac cgttgcaact gcaacgcact 120
ctgcctgggt tgcttgttgc tggagaagaa actgaactgg atttgtccaa aggggaggcg 180
agacacggca agggagcgac ggctggagcg tctcgaggag caagacaaca tggaggacgt 240
cggagcaagg agacaggcca acgccgccag caggcggagc atgctaact cccatggaat 300
ctggtgaagg aatgcagaga aagggaagca tgaagtgtg caaggttga tcggatcaag 360
gagcctgcgc cagaagatgt aatcccaacc tttcgaacc ctcctgaacc tggagtgttc 420
tgctgggctt cggccacagt cattgcagga tgctgtgaga tgaatcacac gtttcatg 478

<210> 3120
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046a10b1

<400> 3120

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tttgctgaag gtgagttggc atggcgaggt ttgctgccct cgccgtgtgc gccgctgcgc 120
ttctgctcgc cgtggcggtg ggcggcgcca cggcgaggg cgtgggctcg gtcacacgc 180
ggtcggtgta cgcgagcatg ctgcccaacc gcgacaactc gctgtgcccg gccgggggt 240
tctacacgta cgacgccttc atcgctgcgc tcaacacctt cccgggcttc ggcaccaccg 300
gcagcgccga cgacatcaag cgcgacctcg ctgccttctt cggccagacc tcgcacgaga 360
ccaccggagg gacgagaggc gctgccgacc agttccaatg gggctactgc ttcaaggaag 420
agataagcaa ggccacgtct ccaccctact atggacggag acccatccaa ttgacagggc 480
ggtccaacta 490

<210> 3121
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046c01b1

<400> 3121

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cgaggacgtg tacgagcacg tagagcaggc atggtcacgg ggcgccaggg cactgagtg 120
gaggaggccg agacgaagga gaaagaggaa gtgcgcgcac gcccgcgagg ggagcaagag 180
caacgggacg gaagactgag ggggacgggg gcagaacagg aactgggagt ggaagaggcg 240
aaagaggagg aggaagacgc cagaacgaag gccgaaactg gcagtggcca aacaacgaca 300
agagtgggaa aagggaagaa gcaggcaaca gaaaagacat gcggcaaaca cccaatcccc 360
cagccggcgg aagagggaag agggccgaag cgagcgccca tccaac 406

<210> 3122
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046c11b1

<400> 3122

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tgaattgtga tactcctacg ttaacaatt tatatttatg atggcttctc tctttgaat 119

<210> 3123
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046c12b1

<400> 3123

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gtcccggtc tccctccctc cctcccctcg tgcggtagcc tccaaatcat gcaacgtcca 120
atccacttcc aacaagatac cgccaccatc ctgcgcctga tccgacctct cttccatcag 180
cgacagcgac ctgcgaaccc ccggctccat cgggcgaggg aatggaggag gagggcgcg 240
ggaaggcggg gctcttcagg ctgttcggcg tcgaggtccg cggcgcgagg gaggatgatg 300
acgcggagcc catggagctc aagaagagca ccagcatgcc caacctcgcc tgcgcctaca 360
tcgtgccgat tctcctgccc ggcgaggcca gcaacgacaa gggctacg 408

<210> 3124
<211> 294

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316046d07b1

<400> 3124

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gtcagaaaga agaaacagca gaagcaagga actgtgccta gtaaccggtt tgggtgtcatc 120
ttggagtggg agggagtgtg tgtggaagat gatgatcctg acctggacct cctggtgtgg 180
tacgttctgt tactggacaa ggcgacaatt ttttcttccg atgaaatgct gaaggaaatt 240
gagggaatga gaactgacca ggctatttaa gaagtcttta gttggtcgaa agat 294

<210> 3125
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316046e09b1

<400> 3125

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acagagaaca cctagggctg gtgcctgaac catgtgaggt gaatgtcaaa cagactggcg 120
caatgcatgg gctgtccgag cccatgagtc actgtggagg atggcatgac gaacaagcta 180
ctgctctacc ggctccactc gatgggagaa caactggacc gtgatgtcaa tcaggcagct 240
acacaggaag aacagacgca acgagtggta aactgaaag aggagccata tgacatgctg 300
cccaagctaa ccactgtacg catgtaacaa 330

<210> 3126
<211> 526
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316046f03b1

<400> 3126

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gggcaatgcc aacagcagcc acaacaacag gtgaacacat gcgctgctct cctgcagcag 120
tgtagcccgga caccatattgt ccagtcacaa atgtggcagg caagcgggtg ccagttgatg 180

cggcaacagt gctgccaacc gctggcccag atctcggagc aggctcgggtg ccatgccgctc 240
 tgcggtgtgg cccaggtcat catgcggcag cagcaagggc aaagtttcgg tcagcctcag 300
 cagcagcaag ggcaaagttt tggccagcct caacagcagg ctcccattga gataagaagg 360
 atggtgcttc agacccttcc atcgatgtgc aacgtgaaca tcccgcaata ttgcaccacc 420
 accccatgca gcaccatcac tcagaccggg tacaacgtgc ctatggccac tacctgtgat 480
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<210> 3127
 <211> 421
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046g03b1

<400> 3127

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 gaggaggaca aggccgccgc cgctacaggc gagcacaagc ccagcgcttg atcgccgccg 180
 tgcccagac ccgtgaccgg acctcgattg aattgttggc gtgtgtttgtg tttgctttac 240
 gtctaagttg gtgtcaaggt gggagggggt cgatcgtctt tgaagggtccg gtccgtgaag 300
 cccgttcagt gacgggtgct tctgtttcag tttgcttcag agtcagggtcc tggatgttgt 360
 caagtttggt tacttatggg cacttgtgta ttggcttatt gctgggcatt ttgccttgat 420
 a 421

<210> 3128
 <211> 412
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046g05b1

<400> 3128

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 tagtatcgca ggcgaaaacg atcaagatcc tcctccagaa aatgtttcag ttcccttgcc 120
 tgacatggtg ctgcctcctt catttgattg tgacaatccg acataccgtt accgctttct 180

ggaaccaacc tctactgtcc ttgcagggcc tgttctagat gcgcatgggt gggatcatga 240
 ctgtggctat gatggagtaa gcgttgaaga gtcgcttgct ctccttaaca aattcccagg 300
 tactgtggca gttcaggtta ccaaggccag gaggggaattt agcatccatt tggattcttc 360
 catctcagca aagcatgggg aggatgcgtc ttcccttgct ggttttgaca tc 412

<210> 3129
 <211> 69
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046g06b1

<400> 3129

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 cggtgcccg 69

<210> 3130
 <211> 53
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316046g12b1

<400> 3130

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<210> 3131
 <211> 401
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047a09b1

<400> 3131

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 ttccactaag atcattcaag gcgagcaacg gaacggcatc caaagcccga actaccaatg 180
 cgcagcagca aacacggtga actgggaagc ggatgtggag agatgtatag actgggaagc 240
 ccgcagccgg cgcgccaccg ggatgaccct cgccttctc accgctgcgg ctaacgagct 300

cggtgcccc cttccttgct gacaaggcca tatttgagc tgacaatcag cgacacttga 360
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<210> 3132
<211> 531
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047b08b1

<400> 3132

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tgtcgcacgc aaacgcccgg gtcgccgtac ctgcaccaagc agcagtgcctg tggggagctt 180
gcaaacattc cgcagcagtg ccgatgccag gcgctgcgct acttcatggg gccgaagtct 240
cgtccggatc agagcggcct catggaactc cccggatgcc ctaggagggt gcagatggac 300
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tactgcctcg ctatggagga gtctcagtg agctagagac aattctctcg ctcatgaata 420
aataagcatg ttgcgaccat acatgtgtga catgcatata tgcatatagg acgaggctcg 480
cgcgctcatc atgtgtggtg ctatgtgcta catatatgga taagaataaa g 531

<210> 3133
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047b11b1

<400> 3133

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aata 64

<210> 3134
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047c11b1

<400> 3134

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cctcatcctg aggaacagac tgaaatatgc tctcacctac cgtgaagtgc agtctatcct 180
tatgcagcgt catatcatgg ttgatggaaa ggtccgcact gacaagacct accctgctgg 240
tttcatggac atcattttcca ttccaagac tgggtgagaac tacaggcttt tgtatgacac 300
caagggccgc ttccgccttc actctgtcag ggatgaggat gc 342

<210> 3135

<211> 78

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316047d08b1

<400> 3135

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cgcaacgact ggaaaaac 78

<210> 3136

<211> 485

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316047e02b1

<400> 3136

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atgatctatg gcacgctggc ggcactcatc ttcagtggct acattgtcta tgacacgggc 180
agcatcatca agcgttacia gtatgacgag tatgtctggg ctgccgtcac gctctacctt 240
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cgtctccctg cccctgctct ctcgtgcctc aaatcccgtc gacgaatttg gtatcctgat 360
gagtctttga catgaacaat tgtatagtct ggtctgtccc gctggcacgg cgaaaatgtt 420
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tttat

485

<210> 3137
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047e07b1

<400> 3137

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caaggcgcc gacttcccca cctacgtcgt tagtgacaac gagggcgact accaccatga 180
cgtcgtgtac atcaacagga acgttggttg caccaccaac tggtttgagc catacaccaa 240
ggttctggac gagg 254

<210> 3138
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047f02b1

<400> 3138

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gtggtttggg ggcaaccttg cttctgggtg tgccgctggt gcttactcgc tgttctttgt 180
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aggtgaaagg caattcaatg gcctggttga tgtctaccgc aagactctca agtcagatgg 300
tattgctggg ctttaccgtg gattcaacat ctactgtgtt ggaatcattg tctaccgagg 360
tctgtacttt ggactctatg attctctgaa gccagttctc ctc 403

<210> 3139
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047g02b1

<400> 3139
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ggacgtgggt tgggtggcaac cttgcttatg gcggtgccgt tgggtgattcc tcgctgctct 180
ttgtgtactg ccttgactat gctaggacaa ggggtggcaa tgacgcaata ggcatccaag 240
gggtggagggtg aaaggcatta taacgggtcaa cttgatgttt accgcacgac tc 292

<210> 3140
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047g05b1

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ttctgcctat aacagagact gaacgtcgcg gacctgaccg gatccctgca tggatcagg 180
aaatggaaga cctctacaag cttaaagctta ttggggactt aagcgattgc gagtcatgtg 240
atgatgctca ggaaaggaga caactcatac tctggggggt cgatcagtagc tattggagtt 300
gattataaaa tacggatccg t 321

<210> 3141
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316047h01b1

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tgggtggagga gtatcatgac caacgatgaa ctgattgtcc aactctgttc cggtgggtgg 180
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<210> 3142
 <211> 267
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316047h09b1
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 ggttctgtgc tggggtcgc ctggaggac gagcggaggt aatacctgtc attgtgcacc 180
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 gcttgccgcg ctgtgctgca tatgtcc 267

<210> 3143
 <211> 322
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316048b01b1
 <400> 3143
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 ttttttcgtg ctgatggtgg ttacagcaaa agaagagtgc gtttgagta gcagctcgtg 180
 ttagcatgtc gtgcgtgtcc ttgctctccc acctaggctg aagcgagaat tggatcgtgt 240
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 tggaagact ttggtctgct ac 322

<210> 3144
 <211> 481
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316048b02b1
 <400> 3144
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gtcttctaca taattatgca atgcctgggg gccatctgtg gagctggagt ggtgaagggc 240
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g 481

<210> 3145
<211> 489
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316048c05b1
<400> 3145

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ctttctaggt atttcaacaa gtgactacat acggagcaaa atgaatgaat ctacattcta 180
aaatatgtct atatacatcc gtatgtgata gttcattgaa atatctagaa agacaaatat 240
ttaggaacgg aggaagtact acagatagag aagctgcaaa cacgcggagc tgcaaacacg 300
cgggaagtgc atgttatgcc gctgcttcac attctccttg gaggtggatg gagcgtgcag 360
atatcatttt cttcttggtg ggtgggttcg atcactctcc accatctgtg cattaatcca 420
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gccatacct 489

<210> 3146
<211> 453
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316048c10b1
<400> 3146

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 tcagatgagt caattgacag cattctaagc tgagatgtac tgtaggacgt tatcgtcaac 180
 atgggcctat ggacctttga tgacatgccc ttgtctgatg gattatactg agggaatcga 240
 ggtcgctggg tgccctgtata tatagacaaa ggaataagta ttctggacat caacaagtgc 300
 ttgtgtctgg tgccataga atagagcatt agcgacctca gtctatgggt atgtctagct 360
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<210> 3147
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 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316048d08b1
 <400> 3147

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 gctttgctgg ccatctcgcc gctgggcttg gttgtttcag ttttattgac ctgcacacac 180
 ctcttttatt gtctgaagat ccagtttatg gtggctatga agcttctgga cctgtctaca 240
 agtttaagaa tgctcgaggc catgggtggt ttcttcattt ggacaacaat aatggatgga 300
 aatgaagatg gttaacgcac gccttatact ccgggtttat agagcatatc agcgcatcca 360
 gtatagagtg tagaagttat cacacccgac gactatcgtg tgggactcaa atgtaacaca 420
 atcaattgta agcataatgg taaagctcac gtgtatgtac tggctgaact gtaagccctg 480
 tgaggcctat gatatttg 498

<210> 3148
 <211> 472
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316048d11b1
 <400> 3148

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gtcgaccttc cgccgctggt ggcgcccgcg ccgaggggtga aggcgcccgc cccgcgcccc 180
cctgcgacgg actggctcca gcccgactcc ccgggcgtat tattcaccaa cgccgcccgt 240
gccgtccac tgggctccga ccaccgccgt atcgccatcg ccgtcgatct gtcagaccag 300
tccgcctaca ccgtaagctg ggccgaagcc aactacctcc ggcccgggga cgccggcatc 360
ctactgcacg ttcgctccac caatgttctc tacggcgccg attggggctc cgtcaccccc 420
acattccccg aggacgacgc tgaggtcgcc gcgcgcacga tggaggagga ct 472

<210> 3149
<211> 81
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316048e10b1

<400> 3149
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tctgctctcg ttagccacga a 81

<210> 3150
<211> 560
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316048f04b1

<400> 3150
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aaagaaaccg atcctgaatt ctaccgtgag gcttcaagtc ttcaatatgg gaaggtgtct 180
agggtggcgg aaccaaacat cgaccgaatg gttaatgagc tcaaggagcg ggacgagaag 240
cgcaaggcgt tcagcaggag gcgcaagttc aacgaagaca aggacgttga ctcgatcaac 300
gaccggaacg agcacttcaa caagaagatc gagagggcct ttggcaaata cacgctcgag 360

atcaagaaca acttggaag agggacggcc ttgccagatt aaggttctgg cgtttggggt 420
 cgcccactca actctgcggt actgtttccc acctggtttc tttgcttgta acctgtgttc 480
 agaatatant ttctgaagtg taagaaagtg aaacctgcat gtaatgtaat gatgatgctg 540
 tgactgatac atgtacaaca 560

<210> 3151
 <211> 468
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316048f08b1

<400> 3151

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 cttgacgtga gcaccaatct gtttcagagg tctggagccc gctgttttgc ccaggcggtc 180
 gccacaagc caggctttgt gctgctgaac atgaacgcga actacatacc cgaggaaggg 240
 attgacgagg tgaggaagat cctgaaggca ggcgagaact tggcgagcgt gcttggcccc 300
 ctggacgaga acgagcccga ggggaacccg gatgacgagg atgaagaaga ggactatgat 360
 gatgaggcaa agtatgggga cgataacggg aaggatgctg gcctcggctc gaagctgcaa 420
 gacctgaagg tggaggcgga ggaagactaa accccccccc cctgcttt 468

<210> 3152
 <211> 372
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316049a08b1

<400> 3152

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 tttgggccag gagcggcaga tcgatccagt aatggaggcg gcaagggggg atcctgacga 120
 ccatttggtc gtcttccgcc cagagcgggt cggaggatgg tgggcgcgta accaggactt 180
 catacggaga cgcgcggaga cgctgaggcg acccgacggc cacgcggagg ccgatgccgc 240
 tgccgagcgt agcagagagc cggcagcctg caagaactac atggaggggac tgcattctgc 300

cggcggtgga cgaggtgcbg aatgtggagt gcbgcbgtgtg actggaggac ctggtggtcg 360
gaggcaggaa gc 372

<210> 3153
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316049b05b1

<400> 3153

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gctgagcaga tcgatggcgc tcaactcgtcg catggccgca tccgccctcc tgctgctgct 120
cctcctcgtc gccacagaga tggggacgac gaggaccaag acggcggagg cgcgggactg 180
cctgtcgcag agccacaagt tcaagggcgc ctgcctcagc agcagcaact gcgccggcgt 240
ctgccgcacc gagaacttcc ccgacggcga gtgccacacg cacaacttcc cccgcaagtg 300
cttctgcaag agggcctgct agccggcctg ctgcgcccg cgcgccctgcc ggccagcgcc 360
gagacgtccg atctgttctg cagtgtgtgc tgtagatctg ttcttagtgc gttcggttctg 420
cggcagagct gtcgtgtgac gactgtgccc gataagagga aacaccggct ctgagttgtt 480
cgctctgcta gagcggttgt gtgttggtgt gactggagag ataggcgtgt tagat 535

<210> 3154
<211> 506
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316049b06b1

<400> 3154

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gttcttgga gctgctgcaa ctttttgaca ttgtcatata tagtctttgt ggtgctgtac 180
actgtgccag ttctgtatga gaagtacgat gacaagggtg atgcttttgg tgagaaggcc 240
atgatcgaat tgaagaagta ttatgccatc tttgaagaga aggtcctgtc gaagatcccc 300

aagaacaaga agcactagat cacaagagtt accctgccgc gtattgccat ctgtgttacc 360
 ctcaacttgt cgcctcattt tgaaggatgg ctctgtgtca ttgcgtctgt ctttaggtaa 420
 tactactttg atagtacata tagatgttgg tgtgcctgat ctttttgtgg ggttttccgc 480
 tgaagatggn tgatcctcat tttttt 506

<210> 3155
 <211> 278
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316049c02b1
 <400> 3155

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 gacgttatga agatctagtt gtactcagag gagtgcata aactgaata cactgtggcc 180
 acctcttctg tagttaccga acaattggac cgaaagacta tgcttacgag gaccatggga 240
 ctgctaccgc ttggagatgc atgccttgaa tgggtgca 278

<210> 3156
 <211> 140
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316049c10b1
 <400> 3156

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 cacctgtgag ccgggcggcg cgcacaacgt gaggtgagcc cgatacagtg aggccctgcg 120
 gtgaccctgc ctgaccctaa 140

<210> 3157
 <211> 513
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316049d09b1
 <400> 3157

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 tgccctgtgg aagttcgaga ccaccaagta ctactgcacc gtcattgatg cccctgggtca 120
 ccgtgacttc atcaagaaca tgattactgg tacctcccag gctgactgtg ctgtgctcat 180
 cattgactcc accactgggtg gttttgaggc tggatatctcc aaggatggcc agaccctga 240
 gcacgccctc cttgctttca cccttgaggt gaagcagatg atctgctgct gcaacaagat 300
 ggacgccacc actcccaagt actcaaaggc ccgttatgag gaaattgtca aggaagtctc 360
 ttcgtacctg aagaaggctg gctacaacc tgacaagggt cccttcgttc ccatctctgg 420
 gtttgagggt gacaacatga ttgagaggtc caccaacctt gactggtaca agggccctac 480
 ccttcttgag gctcttgacc agatcaatga gcc 513

<210> 3158
 <211> 404
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316049d10b1
 <400> 3158

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 gccctagggt gtccttggtt gtctctggag gaatacatga tgaaagatgg actgattgcc 180
 aggctcccct cagggaactaa ccagctgccc cgaaggcggg ggatgacggg gacaaggatc 240
 taaccaagct tcggggcatg ggccttgctg gcggcgaccc atccaaggaa aagatcctct 300
 tggaagtcac tgagctgctg ctacaggagg agtatcagat gaatgatgca tacgacctgc 360
 tgtagaataa gcagaatgag gagaatgctg ggatgaaagc actg 404

<210> 3159
 <211> 435
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316049d12b1
 <400> 3159

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gcgccggcgg ggcgcacgt gatggagctg tacaaggacg cggtgccgtg gacggtggag 180
aacttccgcg cgctctgcac cggcgagaag ggcgttggca agagcggcaa gccgctgcac 240
tacaagggca gtgccttcca ccgagtgatc cccgacttta tgtgccaggg cggctacttt 300
accaggggca acggcaccgg aggcgagtcc atctacggcg agaagtctgt cgacgagaag 360
ttcgttcaca agcacaccaa gccccgggat cctctgcatg gacaacgcct ggccaacac 420
caacgggttc cagtt 435

<210> 3160
<211> 268
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316049e05b1
<400> 3160

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tgagctgga cactgggaat ttggaccagt gtgtacagac ccgatctgag ctggaggaga 180
accagatgaa gcacaacagg tgggagcagg accagattgc gtgaatgaag gagaacatcg 240
ggcgctttgg gcacaggtac aacaagat 268

<210> 3161
<211> 297
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316049e06b1
<400> 3161

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gggtaccgag ggcttgatcg agcccagggg gttggcctgg ggctagagcg tcaacggctg 120
tacggggagg attgcgtgag gagagatgaa ctgactggac gccttcggta ggggggtgaa 180
cagcgtgaac cgagacggca gatctgacgg ggacaaaaga ggaactggcc gctccgctg 240
gcacatacca aagaggagcc ggacgacaca cgggtctaagc ttgggacatg gcgctga 297

<210> 3162
 <211> 400
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316049f09b1

 <400> 3162

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 cttcgccacc ctcgacgggc ttgacctgc agccaagatc aagagcccca ccgaggccga 120
 gaagtactac ggcgagacca agactgatct cggcgatgtc ctcgccaagc taggctagat 180
 ggatcggaat aatggccgcg ttgcttccag gccttttatg ttagttcata tttggaagcc 240
 agcaatgtaa cttccctggt gataatatgt caacaagcac ttaagtatga ttctatcttg 300
 agattcagtc atatgaagag tcaacattaa gacaaactgc gcacaaatcc gatgtaacaa 360
 cgaatagtaa cttgcagtta gagctcaaca agcacgagtc 400

<210> 3163
 <211> 466
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316049h02b1

 <400> 3163

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 ggggctcaga gcaaagagaa gactcttgca aagatggagc gtggaggtct tgctgagaag 180
 gctgttaatg acaggattct tgcttttcgc tttacagatg ttggcaaact accaccacca 240
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 cttgacttcg gcgttgacct tgactcgaga gtcgcactgg tcgctcccaa tggcgcaggt 360
 aagagcacac ttttgaagct catgacaggt gacctatcta cgttggatgg gatggtcaga 420
 cgccacaacc acctaaccat tggacaattc catcaacatt tcaactg 466

<210> 3164
 <211> 354
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316050b04b1

<400> 3164

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atccaagaca caagcaacca gtgttttaggt aaaaatgaga ttgcaaggtc atgctgcaat  120
catagccagt gtttcgcaca cctgcttaga taatattgca ggtgtgccgt gtcggtattg  180
agttgatgct tgacagtaaa ggctgtttgt tgggtgcatte acttgtacag attggacaaa  240
agcgaagtct tgtaataagt aaatcatttg tacatgctta cataatagtg acgtttttct  300
ggattgttag tcgaaacaaa cccctttaa cagctgggtg tatagcgaag aggc          354
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<210> 3165

<211> 133

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316050c04b1

<400> 3165

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ttcaagcacc agatcgagtc ggacacctac gctgtgtacg gagacagctt aagagctgtg  120
aaccgcattg ctc                                133
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<210> 3166

<211> 259

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316050e04b1

<400> 3166

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tcgaaaaaca aaaaaaagag aaaaccatga aaaaaacaaa acacaataaa actcaaagat   60
gaccctgaag agattcttgt gcgtacaact ggcgtcaaca tggcccatte aaggccaatg  120
gggcgccttt tttgggggac ccaagtttcc atccccctggc tgcccccttt tgctcttttt  180
tttagcgtcc cctcattgca gttccccggc cggggttctc caacgacctg acgggggaaac  240
cccgcgcgtt cccaattt                                259
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<210> 3167
 <211> 511
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316050g03b1

<400> 3167

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 gcgacgagtc cgtcgtcaag atcgtcgaca ccttcccagg acaatccatc gacttttttcg 180
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 caaagatgac agtcgagaag ctgctagagt acgggcacat gctcgtccag gagcaggaca 360
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 accaggatgc gatgaagact ggttccttct acgggtagaa cattctccat acacaccac 480
 catctcttgc tgcataagaa gaggttaagg g 511

<210> 3168
 <211> 507
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316050h05b1

<400> 3168

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 gccagacatg gacgcgctcc tcccggaggg gttcacggag aggacacgag acagggggat 180
 ggtgctgaag atgtgggctc cgcaggtgga ggtgctgctg cagcccgcca cccgcgcgtt 240
 tgtgacgcac tgccgggtgga actccgtcct ggaagcggcg tcggccgggg tgccgatgct 300
 gtgctggccg cagtacgcgg agcagaggct gaacaaggctg ttcgtgggtg acgagctgaa 360
 ggtcggagtg gtgatggaag ggtacgacga gcagcttctg aaggccgggg aggtggaaac 420
 gaacgtgagg ctggtgatgg ggtcagaaga aggggaaaag ctgatggata ggctggcatt 480

ggccaaggag aacgcttgcc aaaacgc

507

<210> 3169
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316051b06b1

<400> 3169

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ttgtgcgctcc gtgtgaccct gatgagcgca caaccggaca actgatggac ttatggcccc 180
acgggggccaat tgtggctgtg tgcaggacta cataacaact gatgagaccg actgccctcc 240
ttcgggtgaac agctgaacaa ctgtaccgtg ctgacagcca cacaggaaca acagaagatc 300
tggggctccg agctgcaaaa ctaacagagg aactcgagga cacaaggcgt aactttgcga 360
ctgtccacaa cgttacaact gggagaccgg taaaacc 397

<210> 3170
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316051b08b1

<400> 3170

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gaccgcgtctc gcaccaccgg atttgtgcta gtagctacgc gttgtctgat ggtggtgttc 120
atgtcctcgg tgtaatggcc gcatctcgct gctgtttgcc ctggatttgt ttgttgtttg 180
gatgtactag gatggaatgg aaatcgagc attttacccc tg 222

<210> 3171
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316051e06b1

<400> 3171

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gctgcacacc ccaggggtca ttccatactg tgcaactttc ttgtttttca ccgactacat 120
gagaggtgcc atgaggatct cagccttgtc tgaagctgga gttatctatg tcatgacca 180
tgactctatt ggtctgggag aagatgggtcc gacccatcaa cccattgagc acttgggtgag 240
cttccgtgcg atgcaaaca tgctgatgtt ccgtcctgct gatggcaagg agactgccgg 300
ggcatacaag gtggctgtcc tcaacaggaa gaggccatct attctggctc tctccaggca 360
aaagcttcct catctgcctg gtacctcaat tgagggcgct gcgaagggtg gatacactat 420
ctctgacaac tcgaccgaca acaagcctga cttcatcata atgagcactg gttctgaggt 480
agaga 485

<210> 3172
<211> 459
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316051e11b1
<400> 3172

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ctcgacgggc gcaacatcac cgtcaacgag gccagtcctc gccgggtccgg ctgtgggggc 180
ggcggcgggc gctacagagg ccagcgcggc ggtagcggag gctacggcgg cggcggcggt 240
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ggcggtggtg gctacggcgg ccagcgcggt ggcggcggtc acggcggtca gcgtggtggc 360
ggtgactccg gcggccagtg gaggaactga gcggtggggc ctttcagtta tcgatctatc 420
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<210> 3173
<211> 233
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316051f08b1
<400> 3173

ttttaaaaaa aaaaaaatga gaaaaaaaat gattaaaaaa aaaccgataa tgcattgatgg 60
atgaccatga tgagttcgtg tgggggcagc tggagtaatt atgggctttc ggggccattg 120
ttgctatgtg gaggatttca tgtagagaga tgaactgaat gtccgtgtcc gctcgtgtgg 180
agaacaactg aagcgagatg cctgtctgac cgggactaaa gaagaactgg cgc 233

<210> 3174
<211> 485
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316051g06b1
<400> 3174

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gctgagatgt ccaagactta ccctcaactc atgttcttga caattgatgt tgatgaccta 120
atggatttca gctcaacatg ggacatccgt gcaacccga cgttcttctt cctcaaaaac 180
ggccagcaga tcgacaagct cgtcggcgcc aacaaacctg agctcgagaa gaaagtacaa 240
gctcttggtg atggcagttg aacctgcta cagaattaga acagagccag cttgtcattg 300
cttatatc tgtattgcca tgcttggtg tcttatgtgt tgcattgatg tttcctggtg 360
tacagtttcc gtgtcttttc cgtctagaca atgttttaca attttgcgac acgcattatgc 420
atatgctgtg aaactgtaag atgaccctgc tggtaaaatg ctagttttgt gagagtgtca 480
tctgc 485

<210> 3175
<211> 481
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316051h09b1
<400> 3175

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tgacggatct taccagttgc ggtgaaggtg ctgaacatct tctgcagagc aatggagagg 120
tccttgtagg tgttgtacat cttgagatcc accttgcgca gtggaatctg ccaagaaatg 180
gaaagtgtat gcaacatcat tttcttgccc tctctgacat gtaccggctg ccgcacaaaag 240

caggcatcaa gtgcgcatat gtttatggtt cggaaaggcg ttaataattc gcgtcggcgc 300
 tatggaggcg acaaacaaca cacagcggat ggtgtcgctt tgcgcgcttt ctgccatggg 360
 atctcctttg tggatatttt gccctactta aagcgtttgc ccatttgcat gtcattgttt 420
 attcaacatc ctgtaagtat ataacgaatg caaactcgag aaaactagtt tataatgggg 480
 a 481

<210> 3176
 <211> 483
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316051h10b1

<400> 3176

tcggagagac cgagcgagga aagttgccgt gtgagacctg agagttagga gatattggctg 60
 ggattggtcc tatcaggcag gactgggagc cgatagtggg gcggaagaag gcgcataacg 120
 ccgtcgacaa gaaggacgaa aaggccgtca acgctgcccc ccgctccggc gccgatatcg 180
 acaccaccaa gaagtacaac gctggaacga acaaggctgc atctagcgga acttccctca 240
 acaccaagcg gatcgacgac gacaccgaga acctttccca tgagcgtggt tcaagtgacc 300
 tcaagaaaaa ccttatgcaa gcaaggctgg ataagaagat gaccaggca caacttgctc 360
 agatgatcaa tgagaagcca caggtgatcc aggagtacga gtcgggcaaa gcgattccga 420
 acaatcagat aattggaaag cttgagaggg cacttgagac taagctgcgt agcaagaagt 480
 aat 483

<210> 3177
 <211> 374
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316052a02b1

<400> 3177

tgatgctgca gatctctttc ttggatcaaa gctacaatca tcagacatct ctaaagacaa 60
 acaggccgat cctgctctag cggacatact aaagctgtcc ttctcaagct ccgagggtccc 120
 catggcactc cgttatgttg ccatgtcaga cgacaaagca ctagagaact cattgctatc 180

<210> 3180
 <211> 52
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316052c09b1

 <400> 3180

 taaaaaaatt aaaaaaaaag aaagaaaaaa aaaaaagaaa acaacctaaa ag 52

<210> 3181
 <211> 517
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316052d05b1

 <400> 3181

 gcagaaaagc catgattcaa ctgcgagggg aactatttcg gaaaatgggt gaagatttgg 60
 atagcattgc gaaagattat acagcttctc tcgactcatt tatctcccag ttgccctgc 120
 agcaacacgt tgatttgaag ttccttctct ttcgtttga cttcactgaa tactacagcc 180
 gtgtttcgtc caacaaatga aatgagtgtg tgcttctaata gcggaagaaa taggtgttag 240
 atacactttt tggttggggc tcatgaaaaa actgatgaag caacactcta aaatccagga 300
 tgtacatgaa cagttgaaaa ggaagttatg atctcaaagc taagcctaata gatgaaagtg 360
 tatcagttat gtcactgtac gcacagattg ttgattggca aggaaatgat tatctttcta 420
 atttctaaat atatactccc tctgtcagga aatacttgca tttttatcca tttctcccga 480
 tagtattttc ggatggagta ttctgctagt actactc 517

<210> 3182
 <211> 325
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316052e11b1

 <400> 3182

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 ttgagttttg ggcgaaccgg cgcgggagcg caccatgaaa aagaaagaac cggcgacgct 120

gaaggcggac cctgaagagg acgagtcctg acaactggag caggcaaggc cccggggggc 180
catagacaaa ctgcgaggga ggacgagacc aaagaggaag agaaagcgcg cgaccgcccc 240
cgggggggagc aagagaaacg ggacgggaac ctgaggggga cgaaagaaaa acaggagctg 300
cgcgtggcca gagcgtgaaa agagg 325

<210> 3183
<211> 453
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316052e12b1
<400> 3183

caggcctgag ccctgcaggg atgccgacgc acagggcgaa agcatcaacg cctgtgcccc 60
gaaccgatt aactgtttga ccaccgccga tccggagcgt gagatgacta agatacaacc 120
agtaccgctg atgcttgtgc ctgaccatga tgagttcgtg cacctgcaac tggcatggtc 180
ctggccctcc agtgccattg tgtgtatgag gacgagacca agaataaaga tgaagtgatt 240
gcccgctgc tgtgggaaca agaacaactg aaccgtaatc tgaccctgac gaaaacaaaa 300
caagaactgc ctctcgaga ggtaaaagag gaagatgatc tcgctgacac taagcctgaa 360
cctggccctg gtctacaact tacaacattg tgaaaggcaa aaccctgcca atacacaact 420
taagcggctc ataccacatt ccccatcttg cag 453

<210> 3184
<211> 518
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316052g01b1
<400> 3184

acggcccccc atcctcatcc tgctccctaa ccaagaagcg agacgacggt gaccagtccc 60
cagagcgcac tcccacccca tggatctgca gaccttcgtg ctgaggggtga ccatccactg 120
ccatggctgc aagaagaagg tccggaaggt gctcaagagc gtcgaaggcg tgcaggacgt 180
gaaggtggat gccagctgc acaaggtgat ggtgaccggc accgtggacg ccgagacgct 240
catcaagcgg ctgcacaagt cgggcaagca ggccctgcca tggcaacaca cgctgccaa 300

gaatccccgac cctgcgccga cagccccagc cgacgcccc gcgcccggcg aggacggcag 360
caaggatgct gctgtagcgg agaagaagcc ggcggagcct gtgaaggagc cgagggccga 420
cagctcggac atgaagccgg agcaggagac ggccccggag aagaagcctg aggcgagaa 480
tgatgcacaa tctgagaaga ggctgacagg aggaggag 518

<210> 3185
<211> 422
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316053a04b1
<400> 3185

ttgcagtaac acacacacag agaagccaat ctcgccggag aggggaagcgt cgacgatgtc 60
gggccgtggc aaggaggagg aggggctcgg caaggcgcc gccaaagcgc accggaaggt 120
gctccgggac aacatccagg gcatcaccaa gccggcgatc cgccgtctgg ctgcagggg 180
cggcgtgaag cgcattctcg ggctcatcta cgaggagacc cggggcgtgc tcaagatctt 240
cctcgagaac gtcattccg acgccgtcac ctacaccgag cacgcccgc gcaagaccgt 300
caccgccatg gacgtcgtct acgccctcaa gcgccaggga cgcaccctct acggattcgg 360
cggctaggcc acgccggtcc agcagaacct accttgccgc ccagattcac tagctagcca 420
tg 422

<210> 3186
<211> 463
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316053a06b1
<400> 3186

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aggtgatctc atccctgacc acctccctga ggttcgacgg tgccctgaac gtggatgtga 120
ctgagttcca gaccaacctg gtcccatacc cgaggatcca cttcatgctc tcgtcctatg 180
cgccggtcat ctcgcccgag aaggcgtacc acgagcagct gtcggtgtct gagatcacca 240
acagcgcggt cgagccgtcg tccatgatgg ccaagtgcga cccgcgccac ggcaagtaca 300

tggcgtgctg cctcatgtac cggggcgacg tggtgcccaa ggacgtgaac gcggcgggtgg 360
 ccaccatcaa gaccaagcgc accatccagt tcgtggactg gtgccccacg gngttcaagt 420
 gcggcatcaa ctaccagccg cccaccgtgg tgcttggcgg cga 463

<210> 3187
 <211> 511
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316053b02b1
 <400> 3187

ttacaagga ttcccctagt aacggcgagc gaaccgggag cagaccagcg gagaaggagg 60
 gaaagcggaa gcagaagcaa ccgagcgaac ggcggcgacg acccgaagag ggagaagaag 120
 atggtgatgc ccacggaccc gatgctatgg cacaagggtg ccgccgtctc cggggtcgct 180
 gctcttggac tgggcaccta tggagcgcac atgttccgcc ccagaaccc tagatacaaa 240
 gagatttggc agaccgcgtc cctgtaccat ctcgccaca ccgcggcgct gtcgggggct 300
 cccatgacca agcgccccaa catcttcgga ggccttctga caactggaat tgtgctcttc 360
 tctggaacgt gctacactgt ggcttacctt gaagacagga agttctcttc accagcaccg 420
 atcggtggtt ttgcattcat tgctgcttgg gccagcctgc tcttctgatt gtattgtggt 480
 ttatcgggtg aaaactatgt ctaccttaca c 511

<210> 3188
 <211> 521
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316053c07b1
 <400> 3188

tgcggttag tgctcccacc gccggcgcca tgagtaagtt gcagagtgaac gccctgaggg 60
 aggcaatcac aaacattatc aatgactgcc gtgagaagaa ccgcaagttc gttgaaacca 120
 ttgagctgca gattggtctg aagaactatg acccgcaaaa ggacaagcgt ttcagtgggt 180
 ctgttaagct tcctcacatc cctcgcccaa agatgagggt ttgcatgctt ggtgatgccc 240
 agcatgttga agaggcaggg aaaatgggcc tagactgcat ggatgtggaa tctcttaaga 300

agatgaacaa aaacacgaag ctagtcatga agcttgcaaa gaagtatcat gctttacttg 360
catctgaggc tatcattaag cagattcccc gtcttcttgg acctggtctt aacaaggcag 420
gaaagtttcc aactttggtg tctcaccagg aatcctttga gtccaaggct aatgagacca 480
atgccacagt caagttccag ttgaaaaagg tgctttgcat g 521

<210> 3189
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316053c09b1

<400> 3189

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gccatggcgc gcaagtgcta cccgacggtc agagacgagt acctggcggc ggtcgccaag 120
gccaaagcga agctccgagg ctctcatgcc cagaagaact gcgcgcccct catgctccgc 180
ctcgcgtggc actcgcccg gaccttcgac gtgggcacca agaccggcgg ccccttcggc 240
accatgaaat gccccgggga gctcgcgcac ggcgccaacg cccggctaca catcgccgta 300
aggctgctcg agcccatcaa ggagcagttc ctcattctct cctacgccga cttttaccag 360
ctcgcgtggag tcgtcgacgt cgaggtgact cgggggcctg aggtaccctt tccccgggga 420
gacaggacaa gaccgaggct tctgcagaag gncgacttcc tgatgctacc caagggtctg 480
accacc 486

<210> 3190
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316053d05b1

<400> 3190

taggatttgt gggtcggaat ccagacactg ttaaaaggct aatgatgtt gagaaggcta 60
agaaagactt ggagcaacaa gagaattatg acccgaagtt agctgatgag gagaggggaga 120
aaggctatga gatgttcaag cagcagaatt atccagaagc aataaagcat tacaatgagg 180

ctatcaggag gaacccaacg gatgctaggg tgtacagtaa tagggctgca tgctacacca 240
 agtcggggagc catgcctgaa ggtcttaaag actcatagaa gcgtattgag ctatacccaa 300
 ccttcaccaa aggggtatata agaaaagggtg cagttcagtt tttaatgcag gaatattgaa 360
 agggtaatgg aaacttacca tgctggggtg aagcatgacc ccaat 405

<210> 3191
 <211> 480
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316053d10b1
 <400> 3191

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 gtggaagatc taagcagagt atgagtgaga agaagagcag gaaggccatg ctgaatcttg 120
 gcatgaagac tatcactggc gtgagccgag taactgacaa gaagagcacg aatatcctgt 180
 ttgtcatctc caagccagat gtattcaaga gccctgcctc tgacacctat ctaattttcg 240
 gtgaggctaa cattgaggat ctgagctcac agctgcagtc ccaggctgcc cagcaattca 300
 aagctgcctc gatcttagca gcgtcatctc aaaccctgag gcttctacag ctgttcagga 360
 ggatgactag gatttgatg agactggagt tgagcctaag gacattgaac tggcgatgac 420
 ccacgccggt gtgcctaggc ccaaggctgt gaaggcgctc aaatctgctg acggtgacat 480

<210> 3192
 <211> 466
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316053f07b1
 <400> 3192

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 gtttgacctt tgggtacctt gggcgagagc gcaccaggag gcaacgatag cacgctacca 120
 gctcgtgact gactgtggcc agaagtactt caagcgactg taccaaaggt tggccatggc 180
 caacgttgat actgtcccca acaactactg aaggaacaag aacagaatgc ccgccttcgc 240
 taactgcagg agcaagttaa ccaaagatgg gacgctagct gtttctaaag aggaacggga 300

gctaagctag taagacgtta gctacacatt tgtcactatg atgacatagc ttggcactta 360
 tcgctgtgaa caagggttacc acagttacag cccggggcggc acatatgtac atggatttgc 420
 atcacgtaca aattttatca gttaatgtga tagttgagag agcgct 466

<210> 3193
 <211> 523
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316053g04b1
 <400> 3193

tttgcaacaa catccttgct atgtgcgatt gctacacccc agctggagtg ccaatcccca 60
 ccaacaagag atacaacgct gctaagatct ttagcaaccc tgatgttgcc aaggaggagc 120
 catggtacgg tatcgagcag gagtacaccc tctacagaa ggacatcaac tggcctctcg 180
 gctggcctgt tgggtggattc cctgggtcctc agggtcctta ctactgtagt attggtgctg 240
 acaagtcggt tgggcgtgac atagttgact cccactacaa ggctgcctc tttgccggcg 300
 tcaacatcag tggcatcaac ggcgagggtca tgcccggaac gtgggagttc caagttggcc 360
 cgactgtcgg catctctgct ggtgaccaag tgtgggttgc tcgctacctt cttgagagga 420
 tcaactgagat cgccggaggt gtcgtcacat ttgaccccaa gcccatccca ggcgactgga 480
 acggtgctgg tgctcacaca aactacagta ccgagtcgat gag 523

<210> 3194
 <211> 417
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316054a03b1
 <400> 3194

cgacgtcgag tgccaccagt gatatcagtg cagcacgat gatgctggtg gctgaccctg 60
 gagagtgcgg agccggacaa ctggcaaaag gatggaccat gggcgtcatg ggtcattggt 120
 ggaggaggggc agaacgaatg atgaacggag agccggtcgc ccgtctctgg ttgaacaacg 180
 aacaagtgat gcgagactga cggctgccaa agacgaacta gcaattggcg ctgcataggt 240
 gaaagatgag ctaggagaca cggaggccta aggtcgtaac tggcgctggt cacaacgtta 300

cagactggga gaatgctgaa actacgcaac taaatagctt aagagcacag ccgcatatcg 360
ccagttggcc agatagcgaa gaagccaaga gggatcgacc tgatcaacat ttgcaac 417

<210> 3195
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316054b12b1

<400> 3195

aggccgctgc ccgccgatg cagccgcaca cgggcgttgg cggttacgcc cacgcccgcg 60
actctgacta ctggtttgac caccggacac tgctgtgcag cgagcaccga cgagtcagtc 120
aataccggtg atgctggtgc ctgtccgtga cgagctcgtg gacgtacaac aggccgtgat 180
atgctctttc agggccattg tgtctgtgtg gaggaggcca tgacaaagga tgatctgatt 240
gccctgctcc gctcgctgat agaacaactg aacctacacg tcaggcatgc tgggaccaac 300
tgagaactgg cgctgcgtgt ggtatagctg aaagaggagc gtgatgacac ctggccttag 360
cttgg 365

<210> 3196
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316054e06b1

<400> 3196

caggcctgag ccctgcaggg atgacagacg cacacgcgcg aatggcactt aacgcctata 60
gaccggtacc tcgcaaacac tgggtgcacc accgggagat ccacgcagcg tgagattcac 120
gcatgatttc aatgagtgac tcgctg 146

<210> 3197
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316054e10b1

<400> 3197

gcgttctcac gcgttcgttc acgcgtgcga ttttactgac tattcacgct gtcttcatct 60
 tgcctcttgg catgatccag ctgagatcgg cagagatgga gatccggcgg caggaggctc 120
 tggcgacggc cctggtgtcg gtgctggccc aagaggctgg agctaattgtg ggcaccgctg 180
 cgatgagtta cacaggcggg ggacgccagg aacgggcatg tcgggacagt gcacaacagg 240
 actaatgctc gggtcggggc ctgcctgcc gagactgtta caaccccggt tacaacatca 300
 acgtcacgta ctggagggag ctgcacgaca cgacggaggg ggtcaaggac cgctaccac 359

<210> 3198
 <211> 109
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316054g07b1
 <400> 3198

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 gcctaagctc gttactggct gttgtgcggc aacgtgccta cttggaaaa 109

<210> 3199
 <211> 435
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316054g12b1
 <400> 3199

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 cgccctgctc gcgctgcct ccgtcgccgc ggtctccgcc gacgtcttct tccaggagaa 120
 gttcgaagat ggttgggaaa gccggtgggt caagtctgag tggaagaagg atgagaacat 180
 ggctggtgaa tggaaccaca catctggaaa atggcatgga gatgctgagg acaaaggtat 240
 ccaaacctca gaggactaca ggttctacgc catctcggcg gagtaccctg agttcagcaa 300
 caaggacaag acactcgtcc tgcagttcac ggtgaagcat gagcagaagc ttgactgcgg 360
 tgggtggttat gtcaagttgc ttggaggtga tggtgaccag aagaaattcg gtggcgacac 420
 accatacagc attat 435

<210> 3200

<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316054h02b1

<400> 3200

acaggcctga gccctgcagg gactgcggac gcacagctgc gaaggcatta tacgcctctg 60
ctccgttacc tgtattaact gtggtgactc accggcgatg ccggtgtcat gagtgtcatc 120
atgatgtcac ctgcagcacg cgctgagtgc tgctcggttg acacgctgag ga 172

<210> 3201
<211> 494
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316054h12b1

<400> 3201

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gccagagtgt gcgtcggcga ccctgtgcgg gccgatcaag aagcacatca tcgagcactt 120
ccatcacaag aagcccgctgc cgcccaagcc ggagcccaag cccagcccc acccgacta 180
cggccccgtg cccaagcccc agcccaagcc gcagccccac ccggactacc accccgtccc 240
tcccacgccc acctacggcg gcggcagcgg cggcggtgga taccatggac accactgact 300
ccgatctgcc accgtccggc ctagcagtga aatttcattg cttgttgctg tcagtgagtg 360
agcgacgttg ctatttatgt cacgggtag cttgatcttc tatcattcag aataacagtt 420
gtgagggata agtatgtgtg tcaggcaaata gtacgggtaa tgggtcagtt nttttttaca 480
aggttttgaa tatc 494

<210> 3202
<211> 96
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056b11b1

<400> 3202

gggaacgcgc atgcgtatgg cgatgcggag ggcggatata ttcgtgtgcc gatcgtgagc 60

gaaccgatcg tgctcgattc gctgtagttg caacgc

96

<210> 3203
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056c08b1

<400> 3203

ggcctgagcc ctgagggact cccagcgcgc aggccgaaag cgtctacgcc cgttgcccga 60
aacacagatt tgagtttttg ccaccgcgga gcctgagcgc gcgatgacca agattgaacc 120
agtaccgctg atggtgtggc ctgaccatga tgaggctcgtg caccacaact ggcatggcat 180
ggcccttcca gggcatcgct gctgtggaga ggaggacatg agaagagatg aacggattgc 240
ccggctccgt tcgctgacag aacaaccgaa ccgtgatgcc aacctgaccg agac 294

<210> 3204
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056c12b1

<400> 3204

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aaactcagca ggagaacacg aggtttggtc gcataatgag ggggtggattt ggagacatgt 180
tgcgaggcaa agcaaagggc ggtgatgaac ccagctgata ttatcaacgt tgtcaatcaa 240
tacaatattt tccaagcttg atttcggctg tcacagcatg aataagttaa tgtagaacaa 300
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056d07b1

<400> 3205

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tttggggagg agacaaaag aaaagatgaa cggactgccc ctctccgcgg gctgggagaa 180
caaccgagcc gtgatgttag cctgaccgag acgaaagaag aacctgcgcg gcgcgcggca 240
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acg 303

<210> 3206

<211> 419

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056d08b1

<400> 3206

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cttcgcgaag aagctgcgcg agggccacca cgtgctcgac cgctcgctcg acgactacgc 180
cgactaccgc cgcgatccca agcgcccgcg cggcgccgac gctgttgacg agcccagacc 240
ggtgtcgcag ggcgacttca gcgcattcct gcactccaag ctcaagctgg atgacatctt 300
gacctatgca catcgcataa gctacacgac ctttgcaccg ccggagcatg gtgctgggct 360
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<210> 3207

<211> 474

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

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<400> 3207

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aaccctaacc agttccgatc cgcacggtag ggcctgcgat gatggcggct tccctccgcg 120

cggcggcgac gaggatgctg cgcccggcgg agcttacagg ggaggggctg tggctgctcg 180
 tacacacca gcaggtttcc aaatccaccc gcgcctacaa ggaaggaaac catgccttgg 240
 atgaataccg agcgggggtt atccagcaca ggaaggagca gctgtactgt ctcatcgccg 300
 gcgccgaggc caatggccgc accttgttgc tgaacaaaag tctgctcaag gatctctcta 360
 cacaagtcac gcctagacca gangacccta agtggcgcaa gatatgtata accaacagag 420
 gtgaccgact gtactaggac ggcgggtgat gttgtatttt ctgggctcac ttat 474

<210> 3208
 <211> 299
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056g01b1

<400> 3208

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 caataccgct gctgccggac cctgacgagt tagtgtacgg gccctgccc tacacatggg 180
 cattggggga cattgtcact gtgtggagga gaaccagact aaagaagaac tgaatgtcca 240
 cagccggtct ctgtgcgaac aagcgcacac cgatctcaat ttcgaacatg acgagcaga 299

<210> 3209
 <211> 377
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056g07b1

<400> 3209

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 cggcggcgcc ggggattagg ccggccaagg gggagtcgct gtcgctggtg gcgcggctgc 180
 tccgggggtt caagaacctg tcccaccaga tcttcgcggt gtacgacgag gaggacgagg 240
 aggaggagga gccggagaat ggtgatcggg ctccccacgg acgtcaagca cgtcgcgcac 300
 attcggttgg gacggcagca ccagcaccac ctccagcgtc cgctcctgga accgtgccgc 360

ccctcctcct ggcacca

377

<210> 3210
<211> 531
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 3210

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caaggtcgat aagccccctcg gactcggagg cggttgaca gtcgacatcg acgccaacgg 180
caggaagggtc ggcaagaagg gcgtgtacca gtttgttgac aagtacgggtg ccaacgtcga 240
cggctacagc ccaatctaca cgccagagga atggtctgag tctggtgacc gctacgccgg 300
cggaacgacc gggcttatta tctggagccg tcaccctcgc cggcctactc ggcggtagcg 360
gtctnctcgt ctacaacacc agcgtctcgc cgggctaaga gagatntaac gtgtaacaca 420
gggccncggt ctctgctagc atgcacgtct ctgtatcctg cgtagctacc ttntctgtgaa 480
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<210> 3211
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316056h11b1

<400> 3211

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tactaactta gcaggacatc accatgtttg ctcatatcat gaggggtgga tttggagaca 180
tggtgcgagt taccaacaca ggcgcagact aaccgaactg atattatcaa cgttgagcgt 240
cacatcaatc tctgcgaatg tggagtttgc gcgccacagg atgactaagc ttaggagcga 300
cctagggccc gctccttgag cgttcttacc tgcgtgactc gacacatgag gatgc 355

<210> 3212
 <211> 255
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316058b03b1

 <400> 3212

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 aattgacgat gctgtctaca ggattgttcg ggtgaagttc accatgggtc tatatgagag 120
 cccctatgct gacccatgcc tgggtggtga actcggaag caggaacacc gcgatcttgc 180
 tcgtgaggcc gtcaggaagg cattggtgct gctgaaaaat ggaaaatctg cctccagccc 240
 attgttgccct ctccc 255

<210> 3213
 <211> 130
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316058d03b1

 <400> 3213

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 attgtgactg ccaaaaccct gccgatacca atcgtaatgg tactaagcca cattcccctt 120
 tctccagttg 130

<210> 3214
 <211> 502
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316058g05b1

 <400> 3214

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 tttctgacgt gaagaatgct attatctggg gtaatcactc gtccagtcag taccctgatg 120
 ttaaccacgc cactgtgaag acttccagtg gagagaagcc tgttcgtgaa cttgttcaag 180
 atgatgaatg gctaaacggg gagttcattg ccaactgtcca gcagcgtggg gctgcaatca 240
 tcaaagcgag gaagctctcc agtgctctct ctgctgccag ctcagcttgt gatcacatcc 300

gtgactgggt tctgggaacc gccgagggaa catttgtttc catgggtgtg tactctgatg 360
gttcatacgg tgtgcctgct ggtcttatct actccttccc agtaacgtgc agtgggtggg 420
aatggacaat tgttcaaggg ctcccgatcg atgagttctc taggaagaag atggatgcc 480
ccgcccagga gctgtcggag ga 502

<210> 3215
<211> 317
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316058h02b1
<400> 3215

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aaggaccgga ttgtcaaacc cacggggaca accaactaaa tggcagtttg gaaagacca 180
cttttaaaca ggtgcttgat tacacaaggg ctccgcttgg atgtgccttc caatcaacaa 240
cgaagtgtat gtgacaaatg tgacgctccc taaattaatc tttttgcagc acaacttgct 300
tttggttact cgcagtg 317

<210> 3216
<211> 576
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316059b07b1
<400> 3216

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gcagaggtgt gggtcgtacc gcgcaagtaa agaaccacca gccaaatggg cagggtcgct 120
ggcctgcaaa gtcggcccag ttcgtgttgg atttgctgaa gaatgctgag agtaacgctg 180
aggttaaagg cttggacgtc gacaacctgt acatttcaca catacaggtg aaccaagccc 240
aaaagcagag gcgccgtaca taccaggctc atggacgcat caatccttac atgtgcaacc 300
cctgccacat tgagctgatc ttgtcagaga aggaagagcc tgtgaagaag gaggctgaca 360
acgtcgccgc accaaggaaa gctatctaag ctaacggagt ggctgcattc gtccaagaat 420

cttagttgta ggtcttctca agtatcttta gtggcagcgt ttgctgcctc cttgatgttc 480
 ttgttaccaa catggagtaa ggatttgtaa aggctgatgc tatccctgcg atcgcgagtg 540
 gtctttatat gctaagacag tttcagatat ttgagc 576

<210> 3217
 <211> 474
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316059c07b1
 <400> 3217

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 gttgcgtcga tgcgggaggc cttctccctc ttcgacctg acggcgacgg ccgcatcgcc 180
 ccctcggagc tcggcgctct catgcgctcc ctgggtggga acccgacgca ggcgagctc 240
 cgctgacatc accgcccagg agaagctcac ggcgcccttc gacttcaagc gattgctcga 300
 actcatgcgc gcccacctcc gcccgagacc gttcgaccgc ccgctccgag acgccttccg 360
 cgtactcgac aaggacgcgt cgggcaccgt ctccgtcgag gacctccgcc acgttctcac 420
 ctccataggn gagaagctcg agcccatga gttcgacgag tggatccgct aggt 474

<210> 3218
 <211> 508
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316059c11b1
 <400> 3218

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 accaagaggg tgcatttcgt caggaacttg atcagggagg tcgctgggtt tgctccgtat 180
 gagaagcgta tcaactgagct tctcaagggt ggcaaggaca agcgtgccct gaaggcggcg 240
 aagcgaaagt tgggtaccca caagagggcc aagaacaaga gagaggagat gtccagtgtc 300

ctcaggaaga tgagatctgc tggaactgga acagacaaga agaaatagag catcccaggc 360
tcattaagtt gatggcaatc ttctgttctg gtgtccagtc tttactgcat gtcgaaccta 420
ctagacctga aactgttatc cgctagctaa acattatgct atgttgaacc ttctgtctgg 480
ngagatttct gatctaactt gcactgca 508

<210> 3219
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316059d05b1

<400> 3219

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tttgcttgcg ggaacaaaga gaaccattgt gcagtcacct ttgcctgaga gcatttttgc 180
cataccacca attcaccatt gaccattagc gccattttgc acccgcaccc ccccccccg 240
aacatgtaaa ttttccgccc ccgagataca gctagtcctt ctaatgctaa gctaagctag 300
tagtacctat tcgagtcaga gattatctag ttgagctgag ttgagtcctc attgacgccc 360
gtctggttga cgctcttgaa actgcgcaat cacagagagc attgggttat gtacataggc 420
gaggtctccc gtgcgttgtg ttctgtatct acatattgag taatgtgtgt gtgt 474

<210> 3220
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316059e06b1

<400> 3220

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gaaatgcata cggaggctaa ggagatgccc aggcaacaca aggaacacgt ccagattgca 180
tcctttcatg tgtggagcaa cacagactct tgcccaattt gtggatgtga ctagactacc 240
actgagtcta agaaccgatg tgaatcaagc agagctggtg gaacagagag ctctgatgga 300

gactatgctg agtcaagcaa cagtgatata tgaaagagct caccatgatg gaagcagtat 360
gctcgatgaa agcacaatac atgatacaga tgtgacgtat gcgaagaacg ccatcttcgg 420
agatggatcc taatgatgct catctgatga aaatgaagca tggcctattg agagcttaag 480
ccatcatcat cctg 494

<210> 3221
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316059e11b1

<400> 3221

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caccaatggt ctctgcatta aggcgcacga cgacaccaa actgacctcg tatgcatcca 180
atatccacta caagaacata actatggact aactctgcta cccaatcatc atcaaccaga 240
attactgtcc gaacaaacta tgcacctgta aggtcgaccc ccaccgggtc accgctatgg 300
acgttacctt acaaaacatc agctggacct acgacacccc tgaggacatc aatctgctct 360
gctccgaaaa gaatccctgc aaatgcatta caatgtacga cgtcaagatc gagtactctt 420
gccagtacaa tcagactatg actgtctata gcc 454

<210> 3222
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316059e12b1

<400> 3222

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ggcctgggtg cggcagtgtc cctggcagcc tacgacgcgg cgatctcctg cggtcagggtg 180
aactatgacc tgacctgctg cgtctcctac gcaaaaggca gagaagacag cccgcctggg 240
gcctgctgtt ccggagatag gagattggac gccttagcgc ggagcaccgc cgacaagcaa 300

gcgacatgca cgtgcatgaa gagtgctggc ggtgggctca acccaggaaa ggctgcaaga 360
atccccctcca agtgcggggt gagcatgccc tactgcatca gcgcatccgt ggactgctct 420
aagatccact gatcg 435

<210> 3223
<211> 405
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316059f09b1
<400> 3223

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ccgcgcccgcg ccatggccag cgtaggagc ctctgtctgc tcctactggc gctcgccgtc 120
acgctgtccg tctccgcctc gtccatcgcc gggggggacc acctgcagct cggcctctct 180
ctccggcggc gctggcccg gggagtgcag gggcaccgtg cccgagagca actgggagga 240
cgcgtagggg gagctcaggt cgacgtcgcc cgaggcgac cgacgcgtgc tgcaggggcg 300
cggctacatc agctacggct cgctgagcag gggcaccgtc cactgcaacc gccgtggagc 360
cagctactac aactgccgcc ccggcgccca ggacaacgcc tacca 405

<210> 3224
<211> 378
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316059h05b1
<400> 3224

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gctgttggtg tgtccctgac gtgatcaggt ccggacaact cagctgatca tggccttgcc 120
gtgccatggc atttctgctg tgtagtggat taaaaagat gagctgatct gcctgctccg 180
ctctcttgcc taacagaaca actcgaatgt gatcctgtcg tgaacgagag aaaagctgaa 240
ctgtcgctgc gcgttgctga aatagaagag ttgctacacg acacctgagc ttggctctgg 300
cctggccttt acaacataac gactggaata gccaaagcct taccacaactt aactgtattg 360
ctttgcagcc ccctttcg 378

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<210>      3225
<211>      535
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsfl9316059h07b1

<400>      3225

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aaccgggccc tgaccttggg cgcccttcgtg ggcggaaca tgacctctt ccgcggcctg      180
ctctactggg tcgcccagct cctgggctcc accgccgctt gcttactcct gcgcttctcc      240
accggcgggc tccccaccgg caccttcggg ctgaccggca tcggcgcgctg ggaggcgggtg      300
gtgctggaga tcgtgatgac cttcgggctg gtgtacacgg tgtacgccac ggccgtggac      360
cccaagaagg gcagtctggg caccatcgcg cccatcggca tcggcttcat cgtgggcgcc      420
aacattctgg tcggcgggcg cttctccggc gcgtgcatga acccgcgtgt ctacttcggc      480
cccgcctcgt tcagctgaga gtgggggtac cagtgggtgt actgggtcgg ccccc      535

<210>      3226
<211>      440
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsfl9316060a07b1

<400>      3226

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tggccagcca ccagcgttta ttaaccacaca gcttgattt ggcttcagc aacctttcat      180
gccgggaatg aggccagggtg gtgctccgat gccaaacttt atgatgccta tggttcagca      240
aggacaacaa ccacaacgcc cagctggtag gcgagctggt gctggtgga tgcagcaatc      300
catgcagatg ggtcagcagc agatgctggg tagggagggt agtcgtggtt accgctatcc      360
agaccgggcg tggcatgcct gatcctgcga tgcatggtgt tggtcgtggt aatgacatcc      420
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<210> 3227
 <211> 501
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316060a08b1

 <400> 3227

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 atggcttggc agaggatacc tcgaggtctg gaggggcca tacctctcct aatgatctgt 240
 atagtcagtc tgctatttac gttgcagctg ctcatgcatt gaagccaaat tattcggttt 300
 atcgagtcgc tctacggttg gtccgctcaa tgctaccgtt gccatatttg aaagtgggat 360
 atttgactgc tccttcggca gacgaccca ttgcaccaca caaacattgg gagaggtcac 420
 agttcatctt acaccacatg gaactccagc aggtcaatga ttccgaaagc gcacctgtca 480
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<210> 3228
 <211> 312
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316060a09b1

 <400> 3228

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 caaagagtca ctgggcgctt ccattacttc ggataaatgc agtgaaatga atgtattggt 180
 tcctagcgac aagactgatg gcgactggct ggagcatcct tagccgaaca ggacatccat 240
 tttttccagg acagacagga gcaccacata cacaaggtct catttcggcg cataaataaa 300
 ttcgaagata tc 312

<210> 3229
 <211> 457

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316060c07b1
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 tactgggggtt ggttctggaa caggtgcaag tagaaggcaa gagttgctgc aagagcaccc 120
 taggaagaaa ctgctacaac ctttgccgcg cccgtgggtgc tcagaagtta tgcgcaaacg 180
 tttgcagggtg taaactcaca agtggcctaa gctgccctaa ggacttcctt aaattgggtcc 240
 ttgagtccaa ctacagatgaa ccagacacca tggagtactg caacttggga tntaggtctt 300
 ccctatgtga ctacatgggtc aacgcagctg ctgacgatga agagatgaaa ctctatgtgg 360
 aacagtgtgg tgatgcttgt gtcaatttct gtaacgctga tgctggcctc acatcccttg 420
 atgcgtaatg atgcgtatcc atggtctgag atttcac 457

<210> 3230
 <211> 424
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316060d04b1
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 aatcccaggt ttcgtgtatc cccgccatgc cggagtcgag ctcggtatccg ggcaatggca 120
 agggcaagag gagcctccct tcctggatgg gctccggcga cggcggcggc ggcgggggaa 180
 gtccgggcaa gaagaagcac gcgagggcgg cccgcgagaa ggccccaaca agggccgatt 240
 tcttccaact tttggatggg gtggtctttt gtgcttgagc ggttcgtgaa ccctgagagg 300
 ggcaggctgc gctcccaggc gctggatatg gaggccggtg taccggcccg attggctcgtc 360
 ggattgcacg cttcttgttt gcgcgtttgc caacaccccc aagtttcggc aggtgcagtc 420
 ggag 424

<210> 3231
 <211> 532
 <212> DNA
 <213> *Triticum aestivum*

<400> 3233

gttgcataga ctaatattag cgggaagggtc cttccgacga tcattggaag caatgttaca 60
gtaggtcata gtgctgtttt acatgcatgc accattgagg atgaagcttt tgttggtatg 120
ggtgccactt tgcttgacgg agtggttggt gaaaagcaca gcatgggttg cgctggatct 180
cttgtcaagc agaatacaag gattccttct ggggaggtct gggttggtta tcctgccaag 240
ttcctaagga agctgacaga ggaggtgatc acattcatcg cccaatcggg agccaactac 300
atcaacttag ctcatgttca cgccactgag aattccaaga gcttcgatga gattgagctc 360
gagaagaagc tgaggaagaa gtttgctcac aaagatgagg agtacgactc gatgctcgga 420
gtggtccgtg agatcc 436

<210> 3234

<211> 418

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316061b01b1

<400> 3234

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ctctccggtg atgctgcgcc ctccggcagca gtggagactt tttgctgcgg gctgcaagtc 120
accgtttggt gccgttccat gtggtgcagg tcgactacgg cgtcgacggt gtgctgtgat 180
gggcggagcc agcgagagtt gctgcgtccg acgtttggca aagatgcatc cgtcgggggg 240
tggtgctgaa acgatggggg atgaggaagg gtgtgcagcg acgaccaatt ggagctgctg 300
agagaggcgg cgagcgggtg agatccgact agcggcggag atccggcggg tcaagtagct 360
ctatcatggc gctcgcgtga tttgcagagt agaagacggc gtggacatgg tcacatat 418

<210> 3235

<211> 198

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316061b05b1

<400> 3235

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<223> Clone ID: uC-tsfl19316061c03b1

<400> 3238

ttaagcactt catgtacatg gtcaaatgct tcagaaacag tagtatgcta cttcactttt 60
tatcttcctg ggggttctga ttcattctgta ttaactaaag aagcttgtga tattattttc 120
attagcacag tgcaaatcaa accgaaaaaa tgcacatgct tgccctttgt aaagaaccac 180
tattactata tatgctctac tttgtacaga atcatatgta tattatgctt gccctaaat 240
tggtgcttta tgctgaacca ctattactat attatgattt gatatgagat tcggtgcttg 300
aatcaagtat ttatggagac catgccctta tgcaagtctt caggccttgc tgggttggtt 360
tattgttctg aaggcatcat catgtgtgat tgtagatata ttgcctcctt cacacttaca 420
tccaccatca atcagttaga cactcccttt tttgcaaata aaatcaagtg aatgggtgtac 480
tcccaa 486

<210> 3239

<211> 171

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316061d04b1

<400> 3239

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gtgggtgctgt ctgaccgtgc caagcttccg tccgctcgcc tgggaagatc ttggctccta 120
tgggcaccct aattgaggag gagcctgaga aaacagactg acggcaaata c 171

<210> 3240

<211> 417

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl19316061d11b1

<400> 3240

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aagcttgtcc gttgtgcgga gaggggagggc ggataggtac atacacatgg aagggttgca 120
gagatcgccc tccactttca gaaggtccgg ctcgctgggc ctggtgtggg acgagcggtt 180

cctgaccgag ggcgccgagg cgaaggccgc cggcgagggc ggcacggatg aagcccatcc 240
 ggagatgcgg cgctcccgga gcaccggcgg cgtcgggatg atgctgcgcc gtggcggcga 300
 cgacaagaag cagcagcagc agaaaaagga gcagcaaggc cagaagaaga aggacgagga 360
 gcgcgatccc caggtgttcc ggaccaagga ggtggccccg gacgtggacc cgccgtc 417

<210> 3241
 <211> 464
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316061e08b1

<400> 3241

ttgttttttaa gtgcaccctg acaacaggat taccggcaag gccatgtcca tcatgaaaca 60
 cctccatcaa acgacaatct gtcgagatag cctcgtccgc gggaggcctt gtcaatgcta 120
 agcccgtac aacaagaagc ccaccataac ctccaggag atccagacct ccgtacgcca 180
 tgtactccct ggggaggtcg ccaagcacga cgtgtccgag ggcaccaagg ccgtcaccaa 240
 gagtacctac tattagaacg cgttgcctga atctagcagc aaaagtagct ccctgcagac 300
 ggcttaaagg tcgtctgagg actctggaaa tactggaaga aaatacagcc ctactgaagg 360
 aagaaaaatg ctgaatcatt gcaaattggac tggcggctcg aaggccaccc gcacagaagt 420
 gaggcacgcc cgctggtcta ttggccaacg aagattccag aaac 464

<210> 3242
 <211> 421
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316061f01b1

<400> 3242

aggccctgca tggatgtgga cgcactgggc gaaggcgta gcgtctacgc ctgtgaccgg 60
 taccactggc tgtgtttgac cacacgcgga gccggagcgt gcgatgacca agattagaat 120
 cgctgctgct gttgtgtgtg cttgccctga tgaggtccgg tccacacaac tgacgatagc 180
 atggccctgc catggcattg ctgctgtggg gaggaggaca tgagaaaaga tgaacggcct 240
 gccccgctcc gttcgctggc agaacaaccg aaccgtgatg ctagcctgac cgagacaaaa 300

<210> 3245
 <211> 281
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316061f12b1

 <400> 3245

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 cggggacggg gatgatcggg tgcgtgccgg ccgagctggc cctgcacagc ctttacgggt 120
 cctgcgcgcc gtacctcacg cgggcccagc acctattaa cccgtagctg gagcggatgc 180
 tgacggagct caacggacag gtctgtcacg acgacgtgtt cataggcggc aacaccaaca 240
 gggtcagctt agacttcatg tgcaaccgc agcagtacgg g 281

<210> 3246
 <211> 517
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316061g03b1

 <400> 3246

 tcgggttcct cgctcagacc tcccacgaga ccaccggcgg gtggccaacg gcgcccagc 60
 gccctactc gtggggctac tgcttcaacc aggagcgcgg tgccgcctcc gactactgct 120
 cgccgaactc acagtggccg tgcgcgccgg gcaagaagta cttcggtcgc gtgcccattc 180
 agatctcata caactacaac tacgggcccg ctgggcgggc cataggtacc gacctgctca 240
 acaaccgga cctagtggcg acggatgcga ccgtgtcatt taagacggcg ctgtggttct 300
 ggatgacgcc gaattcacct aaaccttca gccacgacgt gattacggtc cgggtggagcc 360
 cctctggcgc cgaccaggcg gaggggaggg tgctgggta cgggtgtgatc actaacatca 420
 tcaacggtgg gctcgagtgc gggcgccgac aggactgtcg tgttgccgac cggatcgggt 480
 tctacaagcg ctactgggac ctactcggcg tcagcta 517

<210> 3247
 <211> 417
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316061g05b1

<400> 3247

gttgaaggac atggagaaga agggcgtgac gttcgctgc atcaacagca cggcgactc 60
gccgggcagg ctcaccacgt tcgccctcaa gttcaaggac actggcgta gggatgattt 120
caaagccgcg gtggaggcgc acaaggcgaa gaaggccttg gacgcgatgc ccaagacgcc 180
tgagagctcc cccaagggtg ctgatgactg aaagagaccg ccctgggttg gtgtttcgat 240
gatgtgtatg cgggtttgga ggggggagag gggctggctg aagttgtcct cgttcattcg 300
gagtctaaag tgcaccattt tctgtattct gtatcccat gtcgtgatgc cttagatac 360
attttgcattg cagcgggtta cttgggttcc tgctgccgtt ttggaacggt ggggtggt 417

<210> 3248

<211> 333

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316061g11b1

<400> 3248

ctttgtgtgg ggaactgaac tggctttcct ctcggcaga ttcattgcgag gaggacaact 60
tcagaaggta tctagcattc acgacagcgg atgtagataa tggctggtac agtggagcac 120
tgctatacga tcaagatgag aacagcggtg cttataaaca ttactcagaa ttttgccagg 180
gtccagtcatt ggatcctttc gagcacgacc ccgagaaaga agggcactac agggaggctc 240
ttagcatgga cattgaactt acagacgatg cacagggtgga ggcagaaatg aaagccgctc 300
tggacgacta ccaggtgata ggttcagatc tga 333

<210> 3249

<211> 468

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062a01b1

<400> 3249

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caacgacatc ttcgagaagc tcgccgggga ggctgccaaag ctcgcccgct acaacaagaa 120
gcccaccatc acctccaggg agatccagac ctccgtacgc ctgcctctcc ctggggagct 180

cgccaagcac gccgtctccg agggcaccaa ggccgtcacc aagtttacct cctcttagat 240
 cgcgctgcct gtatctagta gcaaagttag ttccttgctg ttggcttagt gcttgtctgt 300
 ggactctggt tatctgcaag taatattagt cctactgttg gatgaaaatt gctgaatcat 360
 tgcaaattggc ttgttggtc gttggccacc tgcaagaagt gagttatgtc cgctgggtcta 420
 ttggccaatg aagatttcgg aaacaatgtt gcgttgctgg ttctattt 468

<210> 3250
 <211> 446
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062a04b1

<400> 3250

ccctggttgg aaggcggcgc cccgggggga gggattaaag gctttggccg gtacccgaaa 60
 aaatgggtgg acaacgggga acccgggagg ggggtcaacc atgattaatc aagaacggtt 120
 gtggttgggt gttgcccttg agaggtcctg gtcctaccac tgggggaaat aagggccttt 180
 gggggcaatg gtttttttgg ggggaagtca agaacaaagg ataaacggat ggcccgttc 240
 cgttggttgg tggaccaatg aaccgggag gtaagcttgc cgggaccaa gaaaaactg 300
 ggcttcgggg gggcaaactt aaagaaggag ttggttacc caaggcttaa gttgggaatt 360
 ggccgcggtt taccaccgtc ggaatgggaa aaaccttggg gtacccaa taaatggctt 420
 ggaagacaat ccccttttgg ccagtt 446

<210> 3251
 <211> 329
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062a07b1

<400> 3251

cccctcccct cggaagaaac gttgccgtga gagagatccc cgcccagagc catgccgggc 60
 gagatggggt tcattggtga ccagggtggag tcgatccggt cgatgcaggt ccgtcaggtc 120
 gtcacgcaga tcatcagtct tggatatgatt gttacctcag cattgatcat tatggaagg 180
 attgatggtt gcgacaggga tcgaatcacc agctgtggtg gttctttttg gttgcatgga 240

gcctggattt aaaaggggtg atattctgtt tttgcacatg agcaatgaac ctattcgac 300
 tggtgaaata gttgtcttta atattgacg 329

<210> 3252
 <211> 454
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062a09b1

<400> 3252

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 acaggatgcc ggggatgcmc ggctctgtc cggtgcttgc actggcgctg ctcgctggag 120
 tcttcacgc ccaggccct gcaggtgtgc aatccgttgg cgtgtgctac tgcacatcg 180
 gaaacaacct cccgccgcg agcgacgtgg tccagttcta cagattgttg gggatcacca 240
 acatgcgcgt ctactacgtc cagctccagg cgctcgacgc gctccgtggc tgcggcatca 300
 gcctcagcct cgggaccacc aacaacgacg tggcgttct cgcagtagac tatacgccgc 360
 cgtcgcctgg gtgcaggcca acgataaggc ctactaccgt gccgccgtgg acgtgcgcta 420
 catcttcgat ggcaacgagc ttgtcagcga cacc 454

<210> 3253
 <211> 524
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062c01b1

<400> 3253

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 gggccaccag gatcgccgag gcgccccaga cggacctcga tttctggaag gctctctctc 120
 cggtagcgat tgcgcacacg atcgggcacg tggcggcgac ggtgagcatg gcgaagggtg 180
 ccgtgtcctt cagcacatc atcaagagcg cggagccggc gttcagcgtc ctcgctctcga 240
 gggttcttct cggcgagcac ttcgccgttgc cgggtctactt ctccctcctg ccgatcattg 300
 gtggatgcgc tctcgcgac gtaccgagc tcaatttcaa catgattgga ttcttggggg 360
 cgatgatctc caacctggcg ttcgtgttcc ggaacatatt ctccaagaag gggatgaagg 420

gcacgtcggg gagcgggatg aactactatg cctgcctctc catgctgtcc ctggtgatgc 480
 ttctcccttt cgccttcgcc atggagggcc ccaaggtgtg ggct 524

<210> 3254
 <211> 515
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316062c08b1
 <400> 3254

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 aaataaacct acttcataac tgggtggcct gttttctcgg tctccttgct ttttagggg 120
 gggggggggc ctttttgggt tcctcgggtt ccttcggcg cggtggcgcg cttttttttt 180
 ttttcggggc tccctgtgta cacttgctgg gcggtgggtt cctgcggtgg ggggtgggta 240
 cccctgggg ccccccctctt cttgtgcttg ggggcgcttc ccccttttcc tgtttgctt 300
 ttgttcgggc ggcccccttt gtgttgctt ttctcatgtg ggccctccct cggggcgtgg 360
 ggggtcctcc cctttgggg gcctttttcc ctccgggggg ggggtgggtt tggcccggtg 420
 tctttttctc ttgccttgggt ctctgttccg ggtgttttgg gtttttcctt tttttttggc 480
 ctttccccgg ttccctctt ttttttatgg ggggg 515

<210> 3255
 <211> 515
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316062e03b1
 <400> 3255

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 aagggtgctgt gttatcgtgt ttcaaagaat tctttcaaga aggtggccca agaaaagaca 180
 ctaggtgcaa atttagtttc agttgcttga tcaccagtgc ataagaagta accagttttg 240
 taaattaata agagagttgg caactccacg gcgttttttc ctcttaatt tgggaggtga 300
 gccctgagaa gttacggcca ttcatgttt gatgtgggtta cacaacatc aactcttgag 360

gctgaggttt gttgccacgt ttcctgagga tttctggcaa cataagaagt ttttgcccat 420
gacttcgata catggcttga tgacagtaat aagtgatgat tctttctaca atattgatat 480
acatacttct gagcatctca gattgtttgt cagtt 515

<210> 3256
<211> 263
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316062e10b1
<400> 3256

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aagctattat gttgccgtct gtccgtgggg tgcttgccaa ccgtgcgcaa tgcattgtcc 120
tatggagctc cttgtttctt tgttgctgag ttcattgacc taggcgaact gattgaccgt 180
ctgccctggt taggtcgttg agtgaaccat tttactcggg ctgtcagcct caccgggttt 240
actgaggttc tgttttttcc gaa 263

<210> 3257
<211> 549
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316062f06b1
<400> 3257

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gcgatgacca tgaagagtgt tggaagcgcg gctctcaaga tggaggagga agtgcgagg 180
cagtccaaca cgatccctgg gctcatggag ggcaccgtcc agcctgacta tgcgacatgt 240
gtgaagatct ccaccgttgc gtccatcaag gagacgatcc ccccggttc tcttgatcatg 300
ctgaccacct cttatcgctg ggaccttttt cgggtgttgag accctctttg gcgtacttgc 360
cgggtgcttct gggttctggc gtttagattg ccatttcagc atcaaact ggtgggtgcct 420
gtgacactgc gaagaaatac attgaggctg gcgcattcta gcacgcaaga gcctgtgccc 480
aatgggtata ttgccaagg tgcttgggtc gtgacctt gggaccttt aggacacctg 540

gcccttggt

549

<210> 3258
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316062g11b1

<400> 3258

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tcaggggggg tcgcattttt ttcctggtgt tctgtctctc tctctggggg gggggggcgg 120
ctctgggggt tcctggtttg cgcccggggg ctggcctcgg ttgtcttttt tttgggtggc 180
gcctattttt atttgggggg cgggcgcttt cccgtttggg gggggggaac ctctggg 237

<210> 3259
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316063a03b1

<400> 3259

taatttttaa aaaaaaaaaa aaaaaataa aaaaaaaaaa atttaaaaaa ataaaa 56

<210> 3260
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316063b02b1

<400> 3260

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tacgacgaat cggtcgtgtg cgccgcacag ctgcgcagg cgaacggctg gtacgtcgtg 120
tcggatacgt cgtacgacgg ctacgaagcg attccgcgcg acgtgatgca gggttatggc 180
gtgatcgccg ccgaggccgc tgcaca 206

<210> 3261
<211> 343

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316063c04b1
 <400> 3261
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 tatcgctccc gaaccacact ctttcccttc cgatctggtc gccgccgaat ccggcgtcgc 120
 cccccacccc ccacccccgc gctcgggttc cgtccagatt ctgccaccta cgacggagcg 180
 aggccgccga agccggcgac aaaaggattc gaagcagtcg gccggagcta ctttgacttc 240
 gacgttgagg agggcgtcgg cctcagcttc tggcctcca gggcccgccg ccgctgggct 300
 cgaccatgtc aggtgctggc gactcggaga ggagctttgg ccg 343

<210> 3262
 <211> 517
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316063e12b1
 <400> 3262
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 ctgatcaagg agtcgtggat ttgggtatgc ccgcagctga aaatcctctc ggacgtggca 120
 ggcttgtcat tggaaatcca aaagctcgag catgatgtgt taccacagct caagcttcag 180
 gaggctaagc tggaaatggg cgccctggaa gccgtcctac tcatgaagaa ctcagctggt 240
 gcgctcttac atttgaggaa gtgctttaag gaagacttgg gcgtattggt ttgcgaggat 300
 catctggtct cagccaaagt caaaaggctg agcaaaatgc taaaggatat tgctgtccgg 360
 ttgcttcagg agcgtgaatg caacattgtc gggcttagga gcgtgtccgg ttgctgggcc 420
 agctggtcac cgagggtggg gacacccccg ttcatttcca tgattctgat gagtcttctg 480
 atgagctctc tgatgagtag acttatcagc tagctcg 517

<210> 3263
 <211> 430
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316063f02b1

<400> 3263

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accgaccagg ttggctgctg gctgtcccga gtgagtgcgc gtacaaccga ctggagcatg 180
gatgtccctt gccagccatt gtctgtgtgg gggggaatgc ctgacgaaag acggactgac 240
cgcccgccctt cgttgggtga ataaacaacc caacctggat gcctgcctga cacgaacgaa 300
agactaactg tccctgcggg tgacataaaa gaggaacgag cttacagacg ggctgccttt 360
gcttgtgact ggccgttaac aaccaacgga ctgagaagaa acaagcctgg cgccacctaa 420
attaatttgc 480

<210> 3264

<211> 503

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316063f10b1

<400> 3264

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gactgcagcc atgtcgtga tcgcggtga ggagttccag cacatccttc gtgtgtctaa 120
caccaacgtc gacggtgaagc agaagatcat gttcgcgctg acctccatca aggggtgtggg 180
ccgccgcttc tccaacatcg tctgcaagaa ggccgacatc gacatgaaca agagggctgg 240
agagctttcc gcggaggaga tggaccgcct gatggcggtg gtgcacaacc cgcgccagtt 300
caagggtgccg gactggttcc tcaacaggaa gaaggattat aaggacggca gggttctccca 360
ggtcgtctcc aacgccgtgg acatgaagct cagggatgac cttgagaggc tcaagaagat 420
caggaaccat cgtggtcttc gtcactactg gggcgtgcgt gtccgtggtc agcacacaca 480
gacctaccgc aggagaggaa aga 503

<210> 3265

<211> 188

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316063f12b1

<400> 3265

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ccttcagat ccaagtcgtt gtctgtctgt gtaatgttta cctggtagct attcagtcac 120
ttggacatgg tgtttatggt gggtcgctga ctctgtgatt ggactctgaa tgcaaaaacc 180
tttnttac 188

<210> 3266

<211> 484

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316063g02b1

<400> 3266

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cagacttcaa gttagatagc ccatttgcga caaatatcac acaagggttc atcccaagg 120
gcgatatacc aagctcgccg aatcctcaac tggcagatca tgttggtgga ccagtttctg 180
gagatgtgaa tcagcttggt cctagacccc aacggaggga tgactgggat atactgaaag 240
ccatagtgtg tggaggctta gtggagtcag tcaccagcct ctcaagttgt tcggcagcag 300
cgtagagcgg cgccaaaaca ttggacatat tcatcctggg aatagccaac ctcatcgag 360
gacttctct cattctccac aatatcgctg atctaagaga catccgagac gtggacggtg 420
acgacgagca ggtagccac tactggctgc agtcggggag gcggggccaa gcccggtcc 480
acat 484

<210> 3267

<211> 511

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316063g12b1

<400> 3267

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gccatgagta agtccaaag tgacgtgtt aaggatgcca tcaccagat tgttggggag 120

gcgagagaaa agaagcgcaa gttcactgag actgtggagc ttcagatcgg tctcaaaaac 180
 tacgaccac aaaaggacaa acgtttcagc ggctcagtga agctgccccca tatcccccg 240
 ccaaagatga ggggtgtgcat gcttggtgat gccagcatg tgcaccaggc tgagaaaatg 300
 ggacttgact acatggatgt tgaaagtctc aagaagatga acaagaacaa gaagcttggt 360
 aagaagctag ccaagaagta ccatgctttc ttggcatcag aggccataat caagcagatc 420
 cctcgtctcc ttggccctgg tcttaacaag gcaggcaagt ttccactct ggtagtcac 480
 caggaatctc ttgagcccag gtcaacgaga c 511

<210> 3268
 <211> 410
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316063h01b1
 <400> 3268

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 cctattggtc agatcttgct ccaaagaagg gtgtatttaa ggggagagaa aaagaaaaac 180
 gatgcttaga gtgtgtgtga aatgccggct tgcatgccat cagctacatg tccttgacct 240
 gcatggaaac ctggctccaa taaaattgat agatcttcgg agcggataca gcgctgcga 300
 tgtgatttgc tgatgccgtg ttcttttttc gttctttgcg tttctgatgc tttggtgaat 360
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<210> 3269
 <211> 454
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316064a11b1
 <400> 3269

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 atgggcaacc cccttctcga catctccgcc gtgcgcgacg aggccttcct cgctaagtat 180

gatgtcaagc tgaacaatgc cattctcgcc gaggacaagc acttgcccat gtatgatgag 240
 ttgtccagca agggcaatgt tgaatatatt gctggaggag ccacgcagaa ctctatcagg 300
 gttgcccaat ggatgcttca tactcctggg gcaacaagtt acatgggttg cattggaaag 360
 gacatgtatg gtgaggagat gaagagtgcc gctaaagctg cagagtcact ggtcactact 420
 atgaggatga ggctgttcca cagggacatg tgct 454

<210> 3270
 <211> 427
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316064b07b1
 <400> 3270

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 gacctcgccg cccacctcag cgccgcccac gccgtgcccg tgcgcgccat ccactacggc 180
 aaggtgagcc ggctccaggt ccccggtgtcg acgccgcggc tgctgctggt caacgaggac 240
 gacggccgcg tgttcgtgct caccgtgggc gcgctcggcg ccgcggcgac cgccgtgtcc 300
 gtggtgtgcg ccagggggag cgcgccaac aagccgcggt tcacgtgcaa gatgtgggtg 360
 aacctggcgg cggcgaacgg cggcaaggcg gacatcgtgc tgggtggagat gcaggtgagg 420
 agcaaca 427

<210> 3271
 <211> 437
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316064c07b1
 <400> 3271

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 gaccatatgt caacgccggc gatgaagatg ggcccgtatg gcggcccagg agggaatcac 120
 tgggacatta atgctctcaa tccgccccaa aagattgtga gcatccagat ttggagcact 180
 gattctcat gcgaaggggc cagcgggggc atcaacggca tctcgttcag ctatcttgac 240

atggcagggc aactaatccc ctgggtcca tggggctccc agaccggtaa accccacgtg 300
 attaacattg gtgaagacga ggcctgatac actgtctacg gcaccagcga tggcaaattt 360
 gtcacctcgc ttaaatttgt cactgacagg gctttcgatac cgtatgggcc atacggngca 420
 ccgtctacca taagtac 437

<210> 3272
 <211> 439
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316064e10b1

<400> 3272

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 ctgaggcaat ggcggcgctc gctccgacga agatgctcgg caccggctc aacttcgccg 120
 gatcctccag gtatgccaca gcggcaccaa ctgctggcgc acagaagatc gtctccctct 180
 ttgatecgtt caagaagaag cccgccccga agccgaagcc cgcaccggtt gccacctcga 240
 gcgtaggcat cgacgacgag ctgcccaagt ggtacggccc tgacaggagg atctacttgc 300
 ccaacggctt ccttgaccgg tcggagggtgc cggagtacct caacggagag gttcccgag 360
 actaccgcta tgatcctttt ggtctgggca agaagccaga ggacttcgcc cagtaccagg 420
 cccttgagct catncatgc 439

<210> 3273
 <211> 407
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316064h01b1

<400> 3273

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 gggtttggcc ctccaagag acccgcgacc cccttaatcc ctctcccaac ccttatctgc 120
 atccctctcc atggccacgg cggcggcggc gaagcggaag ccggtgttcg tcaaggtgga 180
 ccagctcaag cccgtcacca gcggccacac gctcgtcgcc aaggtgctca gctccaagac 240

cgctctccag aagggccgcg ccgctggcgg ccccggcccg gccgccaagc ccaccaggat 300
cgccgagtgc ctcatcggcg acgagaccgg ctgcgtcttc ttcaccgtcc gcaacgacca 360
ggttgatggt ctgaagcctg gcacactgtc atatacgcat gcaagat 407

<210> 3274
<211> 451
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316064h08b1
<400> 3274

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tttttatggt gggtcagtat gtgtgtatga ctcagtgcc aagagaagg ctcaagcaat 180
catgctcatt gcagcagcag cagctgcggc ctcaaaaagc aatggcaccg ctgctgttaa 240
gcctccagcg atgtctgcga ccaatgctat ccaagccatg cttacgcggt cgctcttact 300
acagagcact tttgtagcaa atggacaacc tcaggctgtt gcggatcctg gctcgatttg 360
caagcttcag gctgatcttc ccacgcccag gagacactcc cttcagcgct ttctggagaa 420
gcgccgtgac ggggtggtga gcaaagctcc t 451

<210> 3275
<211> 404
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316065a03b1
<400> 3275

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ataccaagcc acttgataag tcatggcatg tgatgggtct tggatataat ccaagcatca 120
gccctgaggt tatccgtggt gctgcagtga tacactttaa tggaaatatg aagccatggc 180
ttgatgttgc tttcaaccag tacaaggcac tgtggaccaa gcatgtagac actgaaatgg 240
agttcctcac actatgtaac tttggtctct gaagaaatgc tccaaaaata aggcaaccac 300
caatatattg ttcttttatg ggcaaagagc ccgcacggga attatctatt tttatctgta 360

gcgaagtttc ttacctttgt ggtggacaac tattttcggg taga

404

<210> 3276

<211> 472

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316065c09b1

<400> 3276

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ggcgcccgct gcctccggcc agaccccgcc ctctacgtc gtgcgcgcgc ggctcggctc 120
gccggcccag cccatgctcc tggccctcga caccagcgcc gacgccacct gggcgccactg 180
ctccccgtgc ggcacctgcc ccgccagcag cctcttcgtc ccggccaact cctcctccta 240
cgcgccccct cctgtctcct cgtccatgtg ccccatcctc cagggccagc cctgcccggga 300
ccgggacccc ttcgacagcg cggcgcccggt gccgtcgtgc gccttttcca agccgttcgc 360
cgacgccttc ttccaggcgg cgctggccag cgactggctg catttgggca aggacttcat 420
ccccaatacy cgttcgggtg cgtgggcttg gtgagcgggc cgactttcaa cc 472

<210> 3277

<211> 480

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316065c12b1

<400> 3277

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ctatatcaaa ctggagcgat tacacctttc ttaagatggc tccagcgggc gggagggtgtg 120
gccgctcgtc cgccacaggc tctgctaac cgtgctcctc tggctgcca gaatgatggc 180
aacgagcaac ctggtggaaa cctcgcatat cctgcaaacc ctgaccaagc cgcgagaaac 240
caggaaccag gagcagcagc gggcaacgag aaccagcaag gtgcagaggg agaagcaaac 300
cggcgcatct ggctcggcgg catcttgaaa gaggtccagc tggctggtgt agggttcgtc 360
gcgtcgcttc ttctgggttt tcagacaat gactaggtga aagtcttccc gtggcagaat 420
cgaatattgg caccgtaact gtttgtgtga catagggagg aagtacaagc agaggatata 480

<210> 3278
 <211> 462
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316065d07b1

<400> 3278

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 taacttacta ccaactacta gcggagatag ctttctgaaa taagcatgct aagcatgaac 180
 gttgtttctac ttatgggaag aaccctcagg tgatgatagg tcatggttct ttgccatttc 240
 ctttacaaaa tcggctgaat cttgtgattc taagttagta tcaagtccta tatacctttc 300
 tgttttgtata aattcacaac tttcatggaa actgtcgaat tgcgagtatt aatctcaggc 360
 tgctgggtat gtttgctgat tgtatgctgc catgcattca ctgagccatt tcttgggatt 420
 ctacttggga agaccattt gtaaaccgtc ctttttggga at 462

<210> 3279
 <211> 390
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316065f01b1

<400> 3279

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 cagtgactat tgctttcgcg aggcgtccac aggactgac gactcggcgt cgccggctcg 180
 aggacgtgca gggacaacag attcgtgacc cgagccggac gcgaacacaa cctgacgttg 240
 gtggggaaca aggagaccga cttgacgagg gaggccgcgc tcgaccagga gttcatacac 300
 gtcaagctat cagaacacat tgggaagaag aaagcgagtc tttccttaaa ccatctggac 360
 tgcaccttag tctgccaac tgagattacg 390

<210> 3280
 <211> 469
 <212> DNA

<213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316065g06b1

<400> 3280

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tgtggaaaaa ccagctgagg agaaatctgc tacgatcact gaggcctcac cagctgatga  180
gcctgctgct gatgttgagg aaaaaagtga aactcctgag gtgaaagagc cagaagcgga  240
agaaactgtt cctgctgcag aggaaagcga tgcggctcct gaggaaactg aagagaaaacc  300
agaaattgtg attgagacgg ctccagcaga ttttcgtttc cccacaacaa atcaaacaag  360
acattgcttc acacgctatg ttgaatacca taggtgcgta actgcaaaag gagatgatgc  420
tcctgagtgt gaaaagtttg caaagtacta ccgatcacta tgcccaagt                469
  
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<210> 3281
 <211> 436
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316065g07b1

<400> 3281

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gcgataaaaa aaagttgctg ctctgtttct gcaaaacagc atttctgttg tttttgcccc  120
tagcttttca ggatcttcga gggctgataa attgatgcta tacaattgta tagctacctg  180
atacctttta gttcatagat caattttatt tacttactcc ccatgagtat tgggtgttgct  240
atggatttcc aaagtccgct tcctcattat tcctaaatct gaaaacagca gagatgtttt  300
tgctggtttt gacacctgta acctcataat ctgagggtga atagttggag ttattttag  360
atgagttccc catgaatcca taaccatttt gtttgcatgt tttagagctt cctagcttga  420
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<210> 3282
 <211> 84
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsfl9316065h01b1

<400> 3282

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gattaaataa ccctaattag ttct 84

<210> 3283

<211> 176

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316066d03b1

<400> 3283

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tcacgcgcac cagcacggga gctgaccatg atttagtccg tctcgatgga gccgttggcg 120

gaccaccacg ggtcccgggt cggccagatg acggcgtatg tgatgatacc aaacca 176

<210> 3284

<211> 502

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316066e01b1

<400> 3284

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actggagcta agaagttgat taccagaatt ttggacccta atcctgcaac tcgtatcacc 120

attcctcaga tactggagga tccttggttc aaaaaggat tcaagccacc tgtttttgac 180

gacaagtatg aaactagctt cgaagatgtc tatgctgcat ttgggagactc agaggaccag 240

catgtgaaag aggagactga acataagcca acctcaatga atgcatttga actgatttca 300

ctgaatcagg gattgaatct ggacaatttg ttcgaggcaa aggaggagca taaaagagag 360

acacgattca cgtcgcaatg cctccaaaa gaaatcatca gcaagattgc ggaagctgca 420

aggccacttg gatttgacat tcagaagaaa aactacaaga tgcgggtgga gaacctccaa 480

gcaggttgaa aaggcaatct ca 502

<210> 3285
 <211> 421
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316066e02b1

 <400> 3285

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 attcctcaaa tactggcgga tcctcggatc aaaaaggga acaagccacc tgttcttgac 180
 gacatggatg aaactcgctc tgaagatgtc tatgctgcat ttgcagacta acaggaccag 240
 catgtgaaag aggagactga acataagcca gcctcaatga atgcatttta actgacttca 300
 ctgaatcagg gatcgaatct ggacaatttg ctcgaggcca aggaggagca taaaagagag 360
 acacgattca cgtcgcaacg ccctccaaaa gaaaccatta gcaagattgc ggaagctgca 420
 t 421

<210> 3286
 <211> 349
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316066e11b1

 <400> 3286

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 ctcattacaa actaccctaa gggccatatt cttttaacga ttgggggctt aagtcgtaca 180
 agatgatgcy acacgtgggc atatttgtat gttgctggta acggccataa gtagattcat 240
 gacgagcgaa cgcggacaga ttgtttttcg tgaggggcct cagagttatt acatgacaag 300
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<210> 3287
 <211> 346
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316066f03b1

<400> 3287

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gataatttga accctgaaga cggatgaat tgcattgatc tagatcttaa caaagcttta 180
ttcttgataa agaatgtcct cggaaattgg tgctcaaagg tgaccgctat agccttattg 240
gtatctgggc agagttctac cattacagga acttatgcag gacaatatga catgccaggg 300
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<210> 3288

<211> 311

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316066g08b1

<400> 3288

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gtctgatcat aatgtgttca aaggagatg cctctgctgt caatcccggc ggatcttgta 180
gagtgattga agttccaaag gttgcggact gtctccagcc agtgattaac ataataccat 240
tacagttgct cgcataccat ctaaccgtat cttngtggat tcgatgttga ccaaccaagg 300
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<210> 3289

<211> 545

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316066g11b1

<400> 3289

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tcggcaggca cgtcgtcgcg gccagcgcg gcctcggcca cccaccctg gcgctcgtcc 180

agtccttcgg gttctcgagc accctgaggg ccgcgacgtc cggccaggcc ttccccagtc 120
 ggggtgttcga ccaactgggac gtcattgggct cctatccttt ggaccctggc acccagtcgg 180
 cgacgctcga gacggagatc cgcaggagga aggggtctcaa ggagcagatg acccctctat 240
 ccgacttcga ggacaagctc taaatttttg ggcttcgagg acaaggctca aattttgggg 300
 ccatgttttg ggactggctc ttgctgagaa gggaggcgcg gtaattttct acctatgaga 360
 ctcacttact atga 374

<210> 3292
 <211> 314
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316066h03b1
 <400> 3292

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 ccactttacg accaactact cgtgttcgc gcccttctac tactacctga actcaaccat 180
 gaacaagact agcgaccacc tctactatcg cagctgaac agctcagcac gaagcccccg 240
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 tcgctccct cacc 314

<210> 3293
 <211> 483
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316066h08b1
 <400> 3293

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 agcggggccg ttaagagcgc gccgctctgc cccttctccg cccccaaaac cctaaccctc 180
 gacggggcca tcaagtctc caccggcgc ctccctcgc cggcgtctt cgaccgcttc 240
 ccctcgctcg aggagctctc cgtcggggc gcccgctct cctcgctcgc cggcctgtcc 300

CCCTGCGCGG

cgctcccg accctcgccg tctctccctc cccgacaacc gcctcgcggg ggccggtccc 360
ctcgccgtcg tcgtcgagtc ctgcgggcggg accatccgcc acctcgacct cggcaacaac 420
cgcttcgccg cggtcgagga gctcgccccg ctgcgaccga tcggggtcga gtcgctggac 480
ctg 483

<210> 3294
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316067b01b1

<400> 3294

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gtcttgctgc ggaggaaact gcggctgcgg caccgcctgc aagtgcggca acggctgcgg 120
cggctgcaac atgtaccag aggccgaggc cgccggcgcc accctcctcg tctccgccac 180
cgccaccac aaggcgagct ccggcgccat ggagatggcg gcggagaacg gcggctgcgg 240
ctgcaccag tgcaagtgcg gcaccagctg cggctgctcc tgctgcagct gctagatcga 300
tcctcgacca tatgcatgca ccgtgccgtg cgtgcatcat cgatcatatc gatctactac 360
taccatacca tgtaaccgca acctgatcga gggcctttat ctatgcacct gacctgcac 420
agcagtcagg tgccgctgat gaacagccct aat 453

<210> 3295
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316067b11b1

<400> 3295

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gaatttcgga aagtttacac ttcgagatta agcgatgggc tgctggaaaa gaaggcacct 120
tgcgggcact gctatcaact atgcaatatg cactttggcc agaattgtgga tggcagcctg 180
tatccctaac agatctgac actgctgctg cggctaacaa ggtgtaccga aaggcaacct 240
tgtgcatcca tcctgataag gtgcaacaaa aggggtgcaga tctacagcct aaatatatcg 300

ccgagaaggt ttttgcctctt cttaagggtgg cctggcacag atttaactcc gctgagctct 360
tctagacatt actatgagga ccatcttcac ctgcgtgagg tactagagga gaagtgcacc 420
caccgcgcat catacctgct ttggetgttt gaggtgctca aggagggaca 470

<210> 3296
<211> 470
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316067c03b1
<400> 3296

gaccctgacg acaagaagcc agaggactgg gacgagagag ctaaaatccc tgaccagct 60
gcagtgaagc ctgatgactg ggatgaggat gcccacacag aaattctgga tgaggaggcc 120
accaagccag aaggatgggt ggatgatgag cctgaggaag ttgatgacc agaggctgct 180
aagcccgaag actgggatga tgaggaggat ggcgaatggg aggcaccgaa gatcgacaac 240
ccaagtgtg aagaggcacc tggatgtggc gaatggaaga ggccaatgaa gcagaaccct 300
gcctacaagg gcaagtggca tgcacccatg attgacaacc ccaactacaa gggaatctgg 360
aagccccaag aaatcccca cctgaatac tttagacttg acaagcctga ctttgatccg 420
attgccgcta ttggaattga gatgcatgca gagatctttg cacatctatg 470

<210> 3297
<211> 478
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316067d01b1
<400> 3297

ctactcgacg ggagcaggag caatgggacc gagcgaccag ggcaaccacc ggtggcattg 60
atgtcactact aaggagctcg cagcagaaaag tgcagctgaa aggggaccct aagggtggtg 120
cagctgaggc cagagagcaa tacctaaagt tgaaagaaag gttgcagctg cttactttag 180
gtattggttg cgtcggggtg gtttctgctt atgtttcata cactcctgaa attgctggga 240
gctttagtgc agggctgatt ggatctctgg tgtatctccg catgcttgga accagtgcgg 300
attcttttagc ggggtggaact aaagcagctg ccaagggtgc tgcggcacag ccaagattgc 360

ttattccaat ggttcttgtg atgatgtaca atcgatggaa tgcgatacta gtttcagagt 420
acggcttcat gcaccagtgt ccatgcgtgg ttactcaga tgttgttcta gcatagat 478

<210> 3298
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316067d02b1

<400> 3298

gagcagcaag cagaaggcca agaagcgcg ggcgaagccc aagaacctcc ccgcccaccc 60
gtccagcgcc acggaggcca cccagagcga ccggcgctgc agccactgcg gcgtgcagaa 120
gaccccgag tggcgcgcg ggccggaggg cgccaagacg ctgtgcaacg cgtgcggcgt 180
gcgtacaag tccggccggc tgctcccga gtaccgtccg gcgtgcagcc cgacgtacgt 240
gagcagcgtc cactccaact cccaccgcaa ggtgctcgag atgaggcgca agaaggagga 300
cggcccgctc acagtcaccg ccaccgcgcc cgccgtggcg tcgttctagc tcgctcgctc 360
gctggctggc tggccactcc gtccgcggtg ggtgtacatt ttcccgccg tatcagtctt 420
tgtactaccg tactcgaacc cttttcaaaa a 451

<210> 3299
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316067d07b1

<400> 3299

tacagtcact tcaatgatca agtagctggc aagaggtttg accgcagtac aaccttgcac 60
cccggtcgat cgatggcgct caaggctcag ctgggtggtg aggtgaagtc gccggcgagg 120
aagctgtgga cggcgatgcg cgagtcgacg gagctgttcc ccaagatctt ccccgagcag 180
tacaagagca tcgagaccgt ggagggcgac ggcaagtccg ccggcaccgt ccgcctcatc 240
aagtacaccg aggggggttcc gatggtgacg ttccccaagg agaagggtgga ggtggcggac 300
gacgagaaga aggtggtgtc gtacagcgtg gtggacggcg agctggtgag cttctacaag 360
aacttcaggg tgacggcgca ggtgaccgac aagggcgccg acggcgccgg cgcggtggtg 420

CC5430:363130

aactggacca tggacttcga caaggccagc gacggggtgc ccgagccgga cgtcatcaag 480
gagaccgccc tcaagacctt tcacgacctc gacgactacc tcctcaagac tagcagcttt 540
tagctg 546

<210> 3300
<211> 313
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316067g03b1
<400> 3300

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ccgaaccgag agcatgagca acctgccgag cccgtccgga gttccgaatc cccaggctct 120
gtgagaatcg gcgaggagca tctatagggg ccggggagat ggtgacgagt acattagaga 180
gtttatttct tcttcttttg tgctgttttc tgcgctccgt gcgatgtgag ggtttctgat 240
ttgttagcat ccaggttctt tgtgcactgg taagggttag agataagttt cagggtaaat 300
attttcgttg aag 313

<210> 3301
<211> 534
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316067h04b1
<400> 3301

gacacatcca ggtccaagca aagcatcccc agccgagccg agaccgctg cgctccacgc 60
agcatccgcc gcagcagccg cccagagaag tcgccgccg agaaggagga ggatgtcgtg 120
gcagacgtac gtcgacgacc acctgtgctg cgagatcgac ggccagcacc tcacctccgc 180
cgccatcctc ggccacgacg gcagcgtctg ggcgagtc ccctaacttc cccagttcaa 240
gcccgaggag attgctggca tcattaaaga ctttgaggaa cctggacatc ttgcaccaac 300
tgggtcttttc cttggaggca caaagtacat ggtcatccaa ggtgaacctg gggttgtcat 360
ccgaggaaaag aagggcaccg gtggcatcac tatcaagaag accggcatgg ccctgattct 420

U63333: 3301

tggtatctac gatgagccca tgactcctgg ccagtgaat ttggtcgtgg agaggctcgg 480
cgactacctg gtcgagcagg gtttctaagc ccngcctgat atgatgttat ttg 534

<210> 3302
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316068a01b1

<400> 3302

taaaatttat ataaaaaaaa aaaaaaaaaa aagaaaaaaaa aaaaaaaaaa aacaaaaacc 60
aacaaaaaac aaacaaaaaa aaaaaaaaaa aaagggggggc cccccgcaga gggaccccc 120
ttccccgcc gcgggcgcgg cgcggaact ctcttcagg gggcccaaa gccagcccc 180
cggccccgc tttccccccc ccggaccgcg gaaaccccc gggccccccc ctataaagcg 240
cggggggcca cccccccctc gcccgggggg ggaaaatgaa gaggggccc cccggtttgg 300
ccctcccaa aggtcgcccc ccagtgggc aaggggacc cccccctacc gcgcctaaa 360
cggcgggggg gggggggggc ccccc 385

<210> 3303
<211> 90
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316068b03b1

<400> 3303

ggggacgcgc cccggaacgg agcaanaagc gcggcggggg aggagгнаac gcgcagcggg 60
accgccacac gngccagcgc ccagcgccc 90

<210> 3304
<211> 575
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316068c06b1

<400> 3304

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 gccgcgtcga cgccgccgag gtctacgaca ccatcgcccc cgcggggta acgcacctct 120
 gcggcgcgcc cgtcgtgctc aacatgctgg ccaacgcgcc cgagggcgtg cggaggccgc 180
 tgccggggaa ggtgcagatc ctcacggccg gcgcgccgcc gccggcgggc gtgcttggcc 240
 gcacggaggc catcggttc gacgtcagcc acgggtacgg gctgaccgag acggcggggc 300
 tggtgctgct gtgcgcgtgg aagggcgagt ggaacaagct gccggcgctc gagcgcgcg 360
 ggctcaaggc gaggcagggc gtgcgcaccc ccggcatggc cgaggtggac atcgtggacg 420
 gcgagaccgg cggcagcgtg ccccgagacg gcgccacgat gggcgagatc gtgctccgcg 480
 gcgggtgcgt caccatgggt tacttcaagg acgagggacg ccacccggcg gtgatcccg 540
 acgacgggtg gntctacacg gnggacgtgg gcgtg 575

<210> 3305
 <211> 573
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316068c07b1
 <400> 3305

tttgcattgg aagaattgac gggatgatgga ctgatcgtgg cctgaatttc tggtgaccag 60
 taattagtaa acaagcagct taaaccagct gtcagggcaa agtagttttc agttctatgg 120
 ggaagtgtga ggatgcagaa gaaaactaaa aattgaagaa tggtcgtgaa ttataacgat 180
 gtatgggttt atctattgat tgacaggggt ggtggcaaat ctctcggcag agtttgtgtg 240
 tgatgttgca gtcattgtct tgtttgaaga acaggtggat atcgagcata gttaaaaaaa 300
 atgcgcgcct aggctctagg cagtagcgaa acacctagca cttaatgtgc gcggcataat 360
 tgcgctcaag tgtgtgcttc agaaaagcgc aagggtggtg caaaacacac aattaatgcc 420
 tagcgcttct tttagctttg acattgagct ggcatcataa ctgaatgttt gcagctaattg 480
 aaaatggtag agtgctagtc atacatgata tgttcattgg tagccgtcta cattttatgg 540
 actgagggtg ctagttatgt caaaatattt act 573

<210> 3306
 <211> 554
 <212> DNA

<213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316068d03b1
 <400> 3306
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 ccagcgcgcg tctgcacagc aaggccgcct ccaggcagag ggttgacttc gccgacttct 120
 ccgggctgag gccggggtcg tgctccgtca gcgcgcgcgc caggaggcg tccttctccg 180
 atgtcctcgg cgcgcagctc gtcgccaggg ctccggcgga gaacgccgtg agggcgccgg 240
 cggaggcgaa gctgaagggtg gccatcaacg ggttcggccg catcgggcgc aacttcctcc 300
 ggtgctggca cggccgcgag aactcgccgc tcgaggatcat cgtcatcaac gacagcggag 360
 gcgtcaggaa cgcgtctcac ctgctcaagt acgactcgat gctgggcacg ttcaaggcgg 420
 acgtgaagat cgtggacaac gagaccatca gcgtcgacgg caagaacatc caggtcgtct 480
 ccaacaggga nccctcaag ctgccatggg ccgagctcgg catcgacatc gtcacgagg 540
 gtactgggag tgtc 554

<210> 3307
 <211> 138
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316068d05b1
 <400> 3307
 gaggaggcca agaccaaaga agaacagaaa ggccgcgccc gcccgcgggg ggaacaacag 60
 caccgggacg gcagcccgac ggggacgaag gaaaaacagg aacccccgc gggagagccg 120
 aaagaggagc aggaacac 138

<210> 3308
 <211> 544
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316068d07b1
 <400> 3308

ttaagagttg atctaccacg agatcagaga ggctaaaccc tagaagctag cctatgggtat 60
gattgctggt catcctatgg actaaacctc tctgggtcat atagacaccg gagaggggcta 120
gggttacaca gagtcgggta caatgggagg agatctacat atcgtattgc caagcttgcc 180
ttccacgcca aggaaagtcc cattcggaca cgggacgaag tcttcaatct tgtatcttca 240
tagtccggga gttcggccaa aggctatagt ccggccatcc ggacaccccc taatccagga 300
ctccctgagg cacattatct ctttttagtc tgtaagcctt cgggccttcg ttaaatttag 360
aacttgtaat cccttgctca tgtttttcat tccgtatgaa ctgtacctgt acgggattgt 420
tntaatgaaa aagggatgtt cgccgggggtt ttcattcgtg ggtgaaccct atgacaagga 480
gccgaatcct cgtattatct aagaataaat gttttcgccc agcaacaggc ctttccgtcc 540
ccca 544

<210> 3309
<211> 360
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316068d10b1
<400> 3309

cggagcggga gcgcaccang acccagacag attcagngac gctgccggcg gaccccgacc 60
aggacgagac cgcacaaccg gagcaagcac ggccacgccg ggccaaaggc accgccgcgg 120
aggaggacca agacaaaaag aagaaaanga acggcacggc ccgctcgcgg ggggaacaaa 180
acaaccgaga cgnaaggcca accgggacga aagaagaaaa gaaccgccgc gcggagcagc 240
agaaagagga gcgggaggac acgaggccaa agctaggcac tgggacgggc gtacaacgac 300
aacgaccgtg aaagaccaag gcgtaccaa accaaatcga catggagcag aagcacattc 360

<210> 3310
<211> 521
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316068e02b1
<400> 3310

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gtcgtcgacc agaaccgggc acttgtggat gtcctgata tggtcaggtg ccagatgaac 120
 ttcaagcgtc ttctgctgac cgacatcaag attgacatca agcgtatccc taagaaggca 180
 actttgatca aggccatgga ggaagcagat gtgaaaacca aatgggagaa cagctcatgg 240
 ggtaagaagc ttgttgtcca gaagagaaga gcatcgctga atgactttga caggttcaag 300
 gtcattgttg ctaagattaa gaggggtggg gcatcaggc aagagcttgc caagctcaag 360
 aaggaggttg ctgcttagat tatcttagtg gatggcatgt tgagtttttt gttccaagtt 420
 ggatctgctc tatgttccag tgttcttaaa gccagaatta gtacaactgt ttccggagaa 480
 ctacttcata ttttgtcatg gctgttattg aataccaag c 521

<210> 3311
 <211> 340
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316068e06b1
 <400> 3311

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 gtcgacccgg cgcgcgagc gaccaggatg cagggtgcac cgcgagcgt gccggccgac 120
 ccngacgcag gcgaggccgn acaacgggcg aaagcagggc ccgcggggc cagnngcccn 180
 cggaggagga ggccacgacg aaagangaac ngaaagcccg ccgccgcccg cggggcgaac 240
 aacagaaccg agacgccagc cggacgggga cgaaagaaga acaggcgctc cgnngggcag 300
 agccgaaaga ggagcnagan gacacgaggc ccaagcncgg 340

<210> 3312
 <211> 420
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316068f02b1
 <400> 3312

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 gacccggaag ggaggccgg cggcgcggac gggacgggg ggcccaggag cggcgngggc 120

acggactaca cgaggagcag caagcgggcg ctggagnngg cccgccggaa cctgctccga 180
 cggggctgac accgtagtcg agtccacgt gcagcgacac aggagctagg aggccaagca 240
 cgccatttgg gccaaagacct gatccacact aatccctctg ttcgagctcc gcgagcctga 300
 agtgatgaaa aactacggaa tgacctgcga cgccgaggtg ctcgacatgc tcgacaccgc 360
 cgtgcgccac attgagctga aagtgggtgg gaacgtgtac tggggccatg ccagggaaaa 420

<210> 3313
 <211> 493
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316068f06b1
 <400> 3313

ttagtctctc gagacagttc cttcccggcc cgatcccgtg tcctctccgc cggcaacgct 60
 cgtcgaagaa gtgatggggg aggtgctcgg cgtgttcttg tacatagtag atgtaggttc 120
 agtttccgtt ctggtgtgtt gggcgtgatg cctaggactg gcgatatgcc gatgaggagc 180
 gcgccgcctg cgcgtacgag cagcgcattg tggctagcgg cgatgctttg gttggtggcg 240
 gtggcgtggt gctactcgct gctgcgtgat tcatcgacgg cgcacccctg aataagctcg 300
 gttgctgcca tgatttggag aaggattcgt ccccttcctc tgttgcttta agctgacatg 360
 gaggtggatg gagcgatggt gatgctagag gatctggttt ttgcaggtgg gttcggagca 420
 tattagcagc ggcagaacag gtggagctac agcgcccgtg ggcagccggt ctttcacacc 480
 atggcgttgc ccc 493

<210> 3314
 <211> 387
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316068g09b1
 <400> 3314

tgcttattcg gaggcgaggg gctactacaa gcatccatct cctcaaagaa gcggatgtgg 60
 tattcattct atgttggcat ggcgggtgcc atcttctgga catactacct cttgaagtta 120
 ccaaggatcc gatgggatgt agtgtggctc ccgcttgccc cttcgattgc ttctgcattg 180

CCDS#363436

agcctctatg tggaccatat gctaatagaag tcgatgcaag atatcagcac cttgaggggc 240
tacatgtaca acttcaagtc cctgtgatgc taagcatact tctcgtctgg gtcatgcact 300
tgccctgcact gtgtacatgg gataccgcat cattcgtgtc tacttgcgac ctctcgttct 360
cgacttcaga acgtcaagtc aaaattt 387

<210> 3315
<211> 417
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316068h08b1
<400> 3315

tgctggcacc gagggggcgcg gcagtggggc tggcaatggt gatcgcgac atgggggggg 60
cgccgccggc gacggtgcac gcgggcatat cctgctgcac ggtgtacagc acgctgatgc 120
cgtgcctgca gtacgtgcaa cagggcggtc cgccagcccg gggctgctgc accggcatcc 180
ataacctgat ggcggaggcc aacaacagcc ccgaccgcc caccatatga ggctgcctca 240
agaacgtcga caacggcgcc tccggcgggc cctacataac ccgagccgcc gcgctgcctt 300
ccaagtgcaa cgtcggcctc cgctacaaga tcagccccag cgaagactgc aactcgatcc 360
actgaacgaa ctgaagcgcc ttggcccgtg tgtcgacgta cgtctgccgt gcgagga 417

<210> 3316
<211> 278
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316069a05b1
<400> 3316

ccgcctcgga gattccgagg gccgatccca cagcgtccgt tttccacag gtttaggtgc 60
tatgggtgcg gctgggggtg tcagggtca caagggggac atggaagccg tcgactagaa 120
cttaaaccggc cagagcaaag aggccgagaa ggtggagaca cttgaatcaa ctgggacaca 180
cgagggtggg atgacgcgt ggttcacctc cgacgcgtgc tgctaggacg ggttcagccc 240
tgtgtacctc tcacggctct gcgacagact ctgccacg 278

<210> 3317
 <211> 356
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsfl9316069a09b1

 <400> 3317

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 cccacggcca ccagcagccg cagcaggagg agggccagcc ctacgccccca atccccacca 120
 ccaagaaggc ccccgcttc gagctcaccg gcgaaatgag cccagggaaa cgcgctttcc 180
 tggacgagag tgaccgcgac gacccggcgc cgcacgccga caagaatggc ggcgagccgg 240
 accgggacga cgtggcgcta ttcgggtccca agaaaggcgc ccggctgccc cgcagcgatg 300
 agcccgtggt ccctattgtc ggggtgccatg gcgctgggca tgaggtggtg gaggtc 356

<210> 3318
 <211> 510
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316069b01b1

 <400> 3318

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 ttgcagcagc taaacccatg caaggtattc ctccagcagc agtgcattccc tgtggcaatg 120
 cagcgatgtc ttgctaggtc acaaagtgtg cagcagagca tttgccatgt gatgcagcaa 180
 caatgttgcc agcagttgcy gcaaattccc gagcaatccc gccatgagtc aatccgtgct 240
 atcatctact ctatcatcct gcagcagcag cagcagcaac aacaacaaca acaacagggt 300
 cagagtatca tccaatatca gcaacaacaa cccaacagt tgggccaatg tgtctcccaa 360
 cccaacagc agttgcagca gcaactcggg caacaacctc aacaacaaca attggcacat 420
 ggtacctttn tgcagccaca ccagatagct cagcttgagg tgatgacttc cattgcactc 480
 cgtaccctgc caacaatgtg cagtggtcaat 510

<210> 3319
 <211> 397
 <212> DNA

<213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl19316069c09b1
 <400> 3319

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 atatcactgc atcaagagac tttgcagggc acagattctg atgatgagac gataggatct 120
 ctgcttagta gaggaaagaa gaaacgggta tcgacatcag atgttacaga gaataaacia 180
 gaacacctag attcttcgaa gaacattggt ctgggggttg agactatcgg ttcaaataatc 240
 ataacaaaaa ataaggagct gccatccgtg gatcttgcac caagtatatc tgaacatcaa 300
 gagacttcgc agggcactga ttctgatgat gtgaccatag gatctctgct thtagaggaa 360
 agaagacaag ctatcaatgt cagattttca gagaata 397

<210> 3320
 <211> 547
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl19316069e01b1
 <400> 3320

ctcacgcgtc cgcccacgcg tccgcgcctt gttaatcttc agtacctgga gctgtacagg 60
 aacaacctca atggcgagat tccaaaagag ttgggcaagc tgaagaattt gatcagcttg 120
 gatctgtatg ccaataagct taccggaaga atccccaagt cgctttccaa gctcgggtca 180
 ctgagattca tgcgtttgaa caacaacaaa ctgctgggat caattccacg ggagctggcc 240
 aaactctcca acctgaaagt cattgatttg tctaacaatg acttatgtgg gacgatcccc 300
 gtcgatggtc cattctcaag ctccctctt cgaagcttcg agaacaacag caggctgaac 360
 ggcccagagc tgcaaggatt ggcttcttat gactttggat gctaggaagc gccgacgcac 420
 acgacaatgc acgtggaagg aaggcagaaa aaatatagta gtacaacaca tagtatggag 480
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 gcatagg 547

<210> 3321
 <211> 429
 <212> DNA

<213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316069e05b1
 <400> 3321

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ctgcaacaat ccagattggg ggaggccgat ggctttgaag tgattcatgt cactgggaag  180
catccatttc tgtggcctga tcattggcca gtgaaagact atgccaggat cttcgattgc  240
cttgctgtag ctccctgagat agaaactgaa gatgtcaggg tcatattcaa gattaaagat  300
gcagggaaaa aagcaagaca tgatgctgcc gtttctcata atacgaagag gatcgatggc  360
ttgaaaaatc ttccctgtgca gtacattgct gttcacatga gaatcgagaa agattggatg  420
attcattgc                                     429

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<210> 3322
 <211> 518
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316070c12b1
 <400> 3322

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ggacgagccc gaaggaagca acctgtcgcg gtccccccag acggtggaca ccgcgcggga  120
ctgcgacgtg atcatgttcg acaaggccgg cgcgacaag ggccacatag acctcaactt  180
ccaccccgcc agccgcgagg aggagcagca gcatggcggc cagccccggg tgagcatggc  240
cagcctcttc gaggtcgca accgccccct ggagagctac atgaagcaga acggcctcgt  300
gagcctggcg gcggagcagg ggagcagctt gggcacggcc acagtcccgt ctgagcccg  360
tccgatggag agcgaagagc ggccctccga cgaggggctg gccgtggcgg tggagcacga  420
gcgagagccc gtggacaaca tgctcgtcga cgaggcagcc tgtgagaacc agggcaatgc  480
tgccagtgcc agtgacatcg ctgctacctg acctgagc                                     518

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<210> 3323
 <211> 515
 <212> DNA

<213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316070f01b1
 <400> 3323
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 ctgaataaat atttagcttc taactgggag gaacttacaa ataacagtca ggcgatgctc 120
 tctgtgaagc atcctattta tgatcaagct gtatatctca gggagcatca taaaagggta 180
 ttaaaggatc aatatggaat tgaacctcgg acatttgaac aacatattgg cgaggctggt 240
 tttattccag ctggctgtcc ctaccaagta aaaaatctcc agtctacggg tcagttggct 300
 ctggattttt tgtcgctga gagtttgctg gagtcggctc gtatgggcca agagatacgc 360
 tgcctgcaa atcatcataa tgcaaaactg aagatgcttg aggttggaag gatagotcta 420
 tatgcagcag gttccgctgt caaagaaatt cagaanataa cccttgatcc caagttaatt 480
 cggatattag atttgaggat cagaacctaa ccccg 515

<210> 3324
 <211> 179
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316070f04b1
 <400> 3324
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 acaaaaaaag agaaagagaa cgaacaaaag gagaaaaaaaa ggacaaaaag gggacaaaga 120
 aacagagggg aggagagcca aggaaaaaga agaacagggg gggggccacc gcaaggggg 179

<210> 3325
 <211> 416
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316070f07b1
 <400> 3325
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cgagaaaaaa aaaaaaacg aaagacgcaa caaacgggcc gcgcggagag agganccaag 120
caacacgacc gcgngaaggc cacgccagac canggcaaca gggcggcgga gaccaagacg 180
aaagaccaac gganagcacc gccccgaccg ggaaaacaac aacggaacc aacngaaag 240
ccgagaggga caaaagaaga accgaggcgg cnggaggcag aacagaacga ggaccanggc 300
cacaccaagc cgaagcgag caggaacgc caaaggaacc cggccggcag cgaaaaccaa 360
gcgcggccga agngagaggg acgggcagag agaccgctac acgcggcagg ggccaa 416

<210> 3326
<211> 408
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316070f11b1
<400> 3326

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cgtccgcccc tcttctccat cttctcccc cacctctact ccccaggcc caactgtggt 120
ggatggcatg cccgcggcg ctccatactc ccctgttcta catctttccc ctgcctatct 180
ccctctcac tccctgttcc gccccaccc ctactgctgc aggtcaacc atggtggtca 240
acacggggat gtgagcgtga acggacggcg tcggcgga agagatgct agaggacctc 300
aagtgtgca gacgtggcg aggtgagaat gatattgcac tgatgatga gcgcatgtag 360
cacatattaa tcatgtgcat tgcccattat tgaatatcag atattcca 408

<210> 3327
<211> 496
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316070g03b1
<400> 3327

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gccattctgg tgagaggata ctgcgtgct ggggtgggg cactggctgg gctgtggaag 120
atgcaaaaaga caagatctcc aagctccttg aggagtacaa caccggcggc gacctgaag 180
aggcctgcca gtgcatccgt gaccttgga tgcccttctt caaccatgaa gtggtgaaga 240

aagcgctggg gatggcgatg gagaagcaga atgaagctag catcttggct ctgctgcagg 300
 agtgctccag cgaggggctg ataaccatca accagatgac caacggcttc gcccggtgca 360
 aggaaggcct cgatgatctg acccttgaca tcccgaacgc gcaggagaag ttcagaggct 420
 atgtggagct cgcgacagag cgcggntggc tgctaccttc cttcgccctcc ctgccctgag 480
 ctctttcccg acagac 496

<210> 3328
 <211> 447
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316070h02b1

<400> 3328

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 tgggtggcggc tacggcgggtg gcgggtggcgg ctacgggtggc ggtggctatg gaggcggcgg 120
 tggcggcggc cgtgggtgct acaagtgtgg cgaggagggc cacatctcca gggactgccc 180
 ccaggggcggc ggtggcggct acggcgggtgg tggctacgga ggaggcggcg gcggcggcgg 240
 cggccgtgag tgctacaagt gcggcgagga gggccacatc tccagggact gccccaggg 300
 cggcggcggc ggcggtggtc acggaggcgg tggcggccgt ggtggtggcg gcggcgggtg 360
 cggctgcttc tcctgcggcg agtctggcca cttctccgcg gagtgcccc acaaggccca 420
 ctaagcggcg cagctcgtca gatctga 447

<210> 3329
 <211> 547
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316070h12b1

<400> 3329

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 gcttccttac cagatggctt acctgagttc gcttcagcgg agagtatggg tgagaaaggc 120
 tctagtacta ttgttgctgc acggcctgat tttgatctgc cagaagaggg ggaaaaattg 180
 gtggaggacg accagatctg tcctcagatt aaaaacaaaa acaaagggaa ggcaaaggaa 240

acagatgttg ccaggccaga agttaagatt caggaaaaga agaaactacg gcgtagtacg 300
 gtggtgccag atgcttcctt acgagatggc ttagctgagt ccgcttcagc ggccagtgtg 360
 gttggacaag gctctagtac tgttattatc aataagatca tatcaagatc aatagagaat 420
 atgaatttgg tgacatccat tgacgcgcac ccactaagc catggattgt gacgggtcat 480
 gagagagggg atgtttccat ttgggactac cagaagaagg aactgtgatg agtttgcagg 540
 tcaatga 547

<210> 3330
 <211> 339
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316071a03b1

<400> 3330
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 ccaggacgag tccgtgcacc tgcaacaggc atggccatgg cccgtcaggg ccattgtgtg 120
 tatgaggacg agaccatgaa gaaagaggaa ctgagtgtcc gcctgctgtg ggtgcaagaa 180
 cacctgaacc gcgatgtgac cctgacgaag acaaaagaag aactgccgct gcgagaggta 240
 aaacaggaac aggagcacgc taacactagg cctgagactg gcactggccg tacaactaca 300
 aactgggaa tggcaaaacc ctgccccaaat caaacttaa 339

<210> 3331
 <211> 513
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316071b01b1

<400> 3331
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 ctactcaggc ggaccgactg atgcgcgggg ccatcgacca cttaggacgg atggtctacg 120
 ccgaggccga cattcgcagc accgtcgggc aactcatcga ggtctatggt gaggatgctt 180
 cgctgttcct gaaggaagat gactaccggg tcgtgcagga cgcactatctt gagaagcagg 240
 agcaggaaga gcagcagcag gagcctaaac aaaaggaagc agcaatgtct gaggcaccaa 300

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316071c03b1
 <400> 3334
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 ggtcggctac ccgaatccgg gagcgatacc ctgggagccc aggctttatc agacgctagg 180
 ctgggtagct actgggctct tctgggcctt cgtcatgctc ccgagaaggg gcatgaacgt 240
 ggataggacg ctgggctttg ggctccttgc catatatacg cgatgcttga gtactactcc 300
 ctgccttttt gctcaattta aaggctccaa cggcttttcc ct 342

<210> 3335
 <211> 369
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316071c04b1
 <400> 3335
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 aaacgagaga gcaccatgac aaagaaagaa ccggtaccgc tgatgccgga ccctgacgag 120
 gttgagttcc ggcaactgca ataatcatgg cccggccggc cattgcatat gtgcggatga 180
 gacgagccaa agaaaacaga acgccccgcc cgctccgggg cagcagaaca accggactca 240
 cccgaccggg cgaagaagaa cagacttgcg gtggagagca gaaagaggag atcgcgacac 300
 gaggcctaag ctaggcactg gacggggctg tacaacacag cgactggaaa gacaagacc 360
 taccacaacc 369

<210> 3336
 <211> 588
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316071c12b1
 <400> 3336

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 cgccgcgctc ctgctcgtcg cctccgcgaa gaagtccggc gacgtctcgg cgctccagat 120
 cggcgtcaag tacaagccag aatcctgcag catctcggct cacaaaggtg acagagttaa 180
 agttcactac cgtggaacac ttaccgatgg aacagttttc gattctagct ttgaaagggg 240
 tgacccgatt gaatttgaat tgggcactgg tcaagtgatc aaaggatggg atcagggaat 300
 tttgggcatg tgcattggtg agaagaggaa gctgaagatc ccttcaaagc tcggctatgg 360
 ggatcagggg tcaccaccta ccattccagg cggagcaact ctcatattcg acacagagct 420
 tgtcgctgtc aatggcgagc catctagcac atcagaggag gatgacgctg atctgtaggc 480
 agctcggcgc agcacgatcg cccagtatc aaatcgaata ggactatgta tgggaanact 540
 actcttgagg gcagacacca tgaggcaggt acattgtctt accatgat 588

<210> 3337
 <211> 441
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316071d02b1
 <400> 3337

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 aagaggatcg agaactcggc caaccggcag gtgaccttcg acaagcgccg ggcccggctg 180
 gtgaagaagg cccgacagat cggcgtgctc tgcgacgcca cggtaggtga agataacttc 240
 tccagcgccg gcgagctcta cgactttggg acgcccaga ccacgctgcc aaggagctcg 300
 gagaagtacc agaccaactc cgggaagatc ctgtgggacg agaagcacia gagcatcagc 360
 gcggagattg acaggggtgaa gaaggagaac gacaacatgc agatcgagct cacgcatatg 420
 aaatgcgagg atgtgaactc g 441

<210> 3338
 <211> 322
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316071d12b1

<400> 3338

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ataggcagcc accagggaga cgcatgtgac ttctccatct cctcgtgctg cacggtgact 120
gagcgctgtg ggtcagttgc acaccacctg tcgtcagggc tacggtcaca tggccactgt 180
agccgtaggc agaagcgcat gcacagacat gaacgaacac gtgcgctgct ttcgtgtgag 240
aaagaactga gacaccacat gtgcagagac agaaggagag acgagctgcg ccagtgggcg 300
aacagagtgc gcgtgaccca aa 322

<210> 3339

<211> 406

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316071e11b1

<400> 3339

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ccgaccgatc tcgatcatgg aggatgagag gagcaccag tcgtaccagg gaggtgaggc 120
cgccgtgcag gtggagggtga cggacagggg cctcctcggc aacctcctcg gcatgaagat 180
ggcggcggag gacacggaga agaaggagga ggagctggtc accggcatgg agaaggtctc 240
cgtggaagag cccgagggtca agaaagagga gcacgtggat ggcgagaaga aggagaccct 300
cttctccaag ctgcaccgat ccagcttcag ctccagctcg tctagtgcg aggaagaaga 360
ggaggtgttc gacgacatca gcgaggtgat caagaggaag aagaag 406

<210> 3340

<211> 416

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316071g09b1

<400> 3340

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aatttccgac caccagggag ccgaggagag agggcaccat agaagcaccg agtaccgctt 120
gatgctggac ggctgacgag agaagagttc gtagcaacgg caagaaggca gggcatggg 180

gggccagagc cactgtgtgg cggaggccaa gaccaaagat gaagaggaag cggcgcccg 240
 cgcgggggag aacgagcacc gggacggaga cggacgggga cgaaagaaga agagagactg 300
 gggcggcagg agggagagag gaacgaggag acagaagagc ccaaggccga aactgggcac 360
 tggctgacaa cgtacagact gggaaaaggg agaagcttgc caacacaaaa gccaa 416

<210> 3341
 <211> 345
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316071h02b1

<400> 3341

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 tttgaccacc ggggaccggg cgcgggagtt ccaccatgat cgaagccgga ccgtatcg 120
 ctgctggctg aactgatga gtgtgtgctg ggacagccgg tgctgttatg gtgctgcggg 180
 ggcaaccggt atctggggag gagaccatga cagacgagga tctagtagac ccgtctgctg 240
 tgtatgtacg aacaactgat gccgcatgtc aatgctgacc gaggacgaaa gaagaactgg 300
 agctgcctgt gggatatgtg atccttgcca tagatgacac gaggt 345

<210> 3342
 <211> 374
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316071h03b1

<400> 3342

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 gatgagttcg tgcacgtgca actggcgtgg tcatggccct ccagggccat tgtgtgtctg 180
 aggaggagac catggagaaa gaggaagtgc gtgcccgcct gcggtcggag caagaacaac 240
 ggaaccgcaa tgtcagcctg acgaaaacaa aagaggaact gcggctgcga gtgcgaaaac 300
 tggaagagga gctcgctaac actaggccta agcctggccc tggccgacga ctacaacacc 360
 gcgacagcaa aacc 374

<210> 3343
 <211> 487
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316071h10b1

 <400> 3343

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 atgtaggcat gattcaagag gcggatatcg gggtagggac cagcggtgcc gaagggatgc 120
 tggctgtcat ggcgagcgat gtttccattg cgcagttcca cttccttgag cgctgtctgc 180
 ttgtccatgg gcattggcgt tatagcagga tctcatcaat ggtatgctac ttcttgata 240
 agaacattac attcgggtgtg accctgttcc tgtacgagtg cttttcgaca ttctccggcc 300
 agactttgta caacgactgg tccatgtctg tctacaatgt gcttttcacg tcaactgtctg 360
 tgatcgccat gggcgtgttc gaccaagatg tttccgaccg gttctgtctc aagtaccgca 420
 tgctctacca agagggccct cataacctgc tcttgcggtg gtgaaggctc ctaagctgga 480
 tgctgca 487

<210> 3344
 <211> 500
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316072e02b1

 <400> 3344

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 ttgtccagac attggggcag aaggatcatg tctgcctaaa ggaggggtca atcaacatcc 120
 caccatatgc tctccccag aaaaagaaaa ctacacctgt acccccggag accccgcggt 180
 ccatctttgt gtattaacgt ggattgtact acgatacggc gaatgacccc gaggggtggtt 240
 actatgcaag aggtgcccga gcgtcgggtg gggagaactt caagaacaac ccaactgttcg 300
 acatctagac ggaccacccg gccacctact acgaggacat gcagcgcgcc atcttttgcc 360
 ttagccctct aggctgggct cgcgggagcc cccgtatcgc ggaggcgggtg gtgttcggga 420
 gcattccggt gatcatagcg gacgacatcg cgctgccctt cgcggacgcc atcccgtggg 480

accagatcgg ggagttcgtc

500

<210> 3345
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316074g10b1

<400> 3345

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gtgctgctgg ttcacgcttg agtgaccctg aggacggtca agctcgtaca actgtgggtca 180
tcatggggcct tcggggccat gggtagtctg ccgaggagta cgtgaaaaag gatgaccggc 240
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aggaacaact tgcgcttcgt gtggcagagg atctaagagg acctaggtca caccagggct 360
ctgctcggcg ctggacaacg ttctacatcg tcatgactgg gagaaaccta gcgtaaccga 420
actgaatcac attgca 436

<210> 3346
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316074g11b1

<400> 3346

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atgagtgtga gaacgtacaa ctggtgcaat catcgccatt agggaccttg gttgctatgg 120
ggcgtagggc atggcgaccg ttgcacggga tgaccg 156

<210> 3347
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316074g12b1

<400> 3347

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tggaacctag ggtctatgtg atgtatttgc aggcaacat ggagaaagat gcacagcttg 180
agctcgctgc tggagctggg gaaccgatat gactgtcttc cgggaccgaa ggagaagatg 240
gttactactg gcgttatagg tgaaagaggt gaaagaggac ctaggtgata cgggtgcgaa 300
tgttcgaggg ttgacaacgt ttttcaatgg gaaaaccttg gagaaaccta acataacctg 360
cttgaat 367

<210> 3348
<211> 476
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316075b03b1
<400> 3348

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ttttaacctc cagaagacaa aaatgcaaat gggcggtcaa gttcttgtat ctgatacaag 120
agaacttgag aagatccgtc agagagaatc tgacataaca aaggagcgaa ttgagaaaat 180
tctcaaggcc ggtgctaattg ttgtattgac catcaaggga attgatgata tgtcattgaa 240
gtactttgtt gaggcgtggag caattgcggt gaggcgtgtg cgtaaggagg atttgcgtca 300
tgttgccaag gcaactgggt caacaatggg aaggaccttc tcatagctat gatgaagcag 360
tactaagtat ttcaatattg taattctttt aatttcattc atgacttgtt gacttcgac 420
tcatgaactt acttgtgatt gcaattgtag taaagttgag cgattctgtg cttaag 476

<210> 3349
<211> 501
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316075b04b1
<400> 3349

tttacgcgtg tgtcggccag gtctgccagg tcatcggcgc cgtcgtcgac gtgcgcttcg 60
acgagggcct cccgcccac ctcaccgcgc tcgaggtgct cgacaacagc atccgcctcg 120

ttctcgaggt cgcccagcat cttggcgaga acgtcgtgcg caccatcgcc atggacggga 180
 ccgaggggct cgttcgcgga cagaaagtcc tcaacaccgg atcccccatc actgttcctg 240
 ttgggagggc cacccttgga cgtatcatta atgttattgg tgagccgatt gaccacaagg 300
 gtgacatata gacacacgac ttgcttccta ttcacgtga ggccctgct tttgttgagc 360
 aagccacaga gcagcaaatt cttgttactg gaattaaggt cgtggatgtg ctgcgcacctt 420
 accaaagggtg tgggaaaatt ggtctcttcg gtggtgcagg agtgggtaaa actgttttat 480
 tatggagttg atcaccatgt t 501

<210> 3350
 <211> 464
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075b12b1
 <400> 3350

tcgttcaatc ccaacagtca gattgcagat ccgaacacca atttgttcta taccaatatg 60
 tttgatgcta tgggtgatgc cacatacaac tcaatgaaag caatgaattt caccgatatt 120
 cctgtaatgg tcacagcttc tgggtggcca tggcatagtg cacgcaaaga accggctgcg 180
 gatgttgata atgctctggc ctacaatata aatctcatac gccatgtact aaataactct 240
 ggtaccctta gccagccaaa taatcaagta agcacatacc tgtttgagtt gttcagcgag 300
 gatcttcggt caggatctgt tttgggggaa agttggggga ttatgtttac caatgcaagt 360
 gcagtgtact ccctgacatt tgaagatgtg gctacagcta gtactgattc accggctctg 420
 cacgggattg tttgtgtgga aattcaagtg caccatag tgca 464

<210> 3351
 <211> 451
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075c06b1
 <400> 3351

tcgcggttat gctgttaaaa ctttattcac gtccagaccg tcgtcaaagg tgccgacaat 60
 ctccatctgg ctgtgctctt taattagcca gctcagttcc tgttgtgcca ggaattcgcc 120

ttcaacaatg atgactttca caatatcact ccgggtcaaa gcaataacgt agcctgtgag 180
 gcgactgggg tgcgttggtt aggaatgtaa aacgcaattt ccgtccccgg ctccaggcgg 240
 tggatatgca gcccctcgcc atacaataac ttcacgcgat gatggacatt cagcaggcca 300
 attttattgc ccggcatttc attcgcttcg acccgctcaa tcacctttgg atcgatgccg 360
 tgccccgtat ctgcaccgc aatgcgtacc cgatttccgc actctgcaac gctgatgggtg 420
 acaacgcctc tacctttgca ggctgaatac c 451

<210> 3352
 <211> 456
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075c12b1
 <400> 3352

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 tcgcttgag gaacttgta accttggtggt tgtctgtggt gaccatggca atccatcaaa 120
 ggacaaggag gagcaggctg agttcaagaa gatgtttgac cttattgagc agtacaacct 180
 gaatggccat gtccgctgga tctccgctca gatgaaccgt gtccgtaatg ctgagctcta 240
 ccgttacatc tgtgacacaa aggggtgcctt tgtgcagcct gctttctatg aggctttcgg 300
 gcttactgtc attgaggcca tgacctgcgg tcttctacc ttgcaactg catacgggtg 360
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 caaggccttt gctctgctcg ttgagttctt tgagaa 456

<210> 3353
 <211> 449
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075e06b1
 <400> 3353

ttcacgcgtc cgatcgaggg catcaagaag ttcgagacct tgcctactt gccaccgctc 60
 agcacggagg cccttcttaa gcaggctgac tacctgatcc gatccaagtg ggtgccttgc 120
 ctagagttca gcaaggaggg gttcatcttc cgtgagcaca acgcatcccc tgggtactac 180

gatggccggt actggacaat gtggaagctg cctatgttgg gatgcaccga cgccacgcac 240
 gtgatcaacg aggtggagga ggtcaagaag gagtaccctg acgcctatgt ccgcatcatt 300
 ggattcgaca acatgcgtca ggtgcagcgc gtcagcttca tcgtcttcaa gccaccgggc 360
 tgcgaggagt tcggcaaggc ctaaacagct cactcacgac aggccatata taaagtgcc 420
 tagcagtgtt gcaactctga cattgcttt 449

<210> 3354
 <211> 409
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075e12b1
 <400> 3354

tcgttctctgc acgccgcggc gccgccgtat tcgaccccgga ctccgtcccc ggcgcccgtc 60
 accatgatca gtctccaaga agaaccgccg cgagatctgc aagtaccttt tccaggaggg 120
 agtctttggc gccagaagg actacaccct ggccaagcac cccaggttg atgccttgaa 180
 cctcgaggtc atcaagctca tgcagagctt caagctcacg gagtccgtaa gggagacctt 240
 ttctcggcag cactactact ggtacctgac caacgacggc attgagttcc ttcgcacctt 300
 tctcaacctg ccggtctgag atcgtgccca acacctgaa gaagtccagc aagcccccg 360
 cccgccccctt cggcttttgc ccaccgggtg accgccccaa gggtcctcc 409

<210> 3355
 <211> 409
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316075g06b1
 <400> 3355

ccttttctgcc gtttacgcgt ccgggaacaa tcagatcctt cttcgatgcg aacatgggcc 60
 tgtgcgagca gcccccaaag ttcgagtttt atgatcccaa aactcccttc ttcacctggc 120
 ctcgatgctt gcctccaaca aagtcagaca agtgcaggat caaagaagcg ctcatctccc 180
 acggtctgctt cttgcgtgaa tgcaaaatcg agcacttcat catgggcgtt cgttcacgcc 240
 taaacttcgg aagcgaactc aagaacgtaa tgatgatggg tgctgatagc tcgagaccga 300

ggatgagatc tcgtggctga tgtccgaggg taaggttccc tttggtgtcc gggagaacac 360
aaagatcagc tactgcctca ttcccatgaa cgcgaggatt ggaaggac 409

<210> 3356
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316075h04b1

<400> 3356

ttcgctgacc accttcctga ggtttgactg agccctgaac ggggacggga ccgagttcca 60
gaccaacctg gtgcggtacc ctccgatcca ctatatgctc tcgttctacg cgccggtcat 120
ctcggcggag aaggcgtacc acgagcagct gttggtgtcg gagatcacca acagggcggt 180
cgagccgtcg tccatgatgg ccaagtgcga cccgcgccac ggcaagtaca tggggtgctg 240
actcatgtac cggggtgacg tgctgccccaa ggacgtgaac gccttggcgg ccatcatcaa 300
gatcaagagt accat 315

<210> 3357
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316075h06b1

<400> 3357

ttctatacga tcggtgttta ccgacgagcg catgcgatgg tttagcattt ttaaagtggc 60
acctaattgtt aagttagggtg gacgctga 88

<210> 3358
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316075h12b1

<400> 3358

agtctcagtg tcacgtacaa cctggctgta attcatggct ccttcggatg ccaattgctt 60
ctcttggtga ggagtctcat tgacgaaagt acgaactgat ttgcccgcct tccgctcgct 120

tgggtgaaac aacctgaact cgtgatgtca agtctgaccg gtgacgaaaa gaagaacttg 180
 gcgccttccg tgtggcagat gctgtataga ggagctttga tgacacgacg gcctaagctt 240
 gggca 245

<210> 3359
 <211> 396
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316076b01b1
 <400> 3359

tgaaacaca gggcaagaag agaagagaga agcaaa^gctt gagatggcgc aaaccatggc 60
 gtgcatgacc ggcctgtcgc agggcggtgcg tatcccaggc ccgaccggca ggcgcgccag 120
 cagggttcacc gtgagggcgt cgcttcgga ggcggaggcc tgcggccgcc gtgcggtcct 180
 tgggtctcatg gccagcggag tcgtcggcag cgcgttcgct caagtgggtgc acgccggcac 240
 cgtcggggac atcaaggatg ggccaccgac gacgctctgc ggtggactgc ccgtgacgga 300
 caacttcgac gaggcaaggg acttcgacct gccctgaag aaccggttct acctgcaggc 360
 gctgccaccg gcggaggcgg cggtcggggc caagga 396

<210> 3360
 <211> 352
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316076b03b1
 <400> 3360

tttccatcgg ctatgattgt tgatgaggct atgctagaaa aagtgcttgg gcctcctaga 60
 tttgatgaca gagaggctgt ggatcgggtg tcattcccag gagtgtcagt tgggcttgtc 120
 tggacttctt ttgggtggga agttcagttt gtagaggctt cggtcatggc gggtaagggt 180
 gacttgcata tgacaggaca tcttggtgat gtaattaagg aatcagcaca gttagctttg 240
 acatgggtga gagcaagaac tgctgacctc aatctgggac ctacttctga tattaacata 300
 ttggagagcc cgggatattc acatacatte ttctgctgg tgctgagccg aa 352

<210> 3361

<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316076c05b1

<400> 3361

ttggcaagtg ggtggagaaa ttgttaaagc agagcaagct gcgagccatc caggaggtgg 60
atggcaccac cgtcgccgtc gccgccgccg ccgcgagtgt gcgtgaccgg cggcggcggg 120
ttcatcgctt tgtggctcgt caagctgctc ctgtcccggg gctacgccgt ccacgccacg 180
ctccgtgacc cgagtgatec gaagaacgcg catctgatgc agctggacgg cgcggcggag 240
agcctgagct tgttcaaggc cgacgtgctc gaccgcgccg cgctggtcgc cgccgtcgcg 300
ggttgccagg gcgtcttaca tgcgcctcc cctgtgcccg cggagaagat cgtcgatcct 360
gagtcagaag tcatggtgcc tgccgtgaag ggcaccttac atattcttga agtctgttca 420
tctctgaagg ttccagaaag tgtggtggtg ccatacactg gtgccgtcat tatgatccca 480
actgggctta gggagagtac aggcttaatg ct 512

<210> 3362
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316076c10b1

<400> 3362

tccacgcgtc cgatccacag aaaggaccag tcagtagtgg catgattagg gagctactta 60
tatactttaa gaaatcaacc ggtgagaagc ccagcggat aatattctac agggatggcg 120
ttagcgaggg ccagttttac caagttctgc tgtttgaact caatgcgacg cgaaaagcct 180
gtgcttcctt ggaggcaaac taccagccac aggtgacttt catcgtgggt cagaaacgcc 240
accacacgag actatttgcg cacaatcaca atgataagaa ctcgatggac aggagtggaa 300
acatactccc aggtaccgtt gtggacacga agatctgtca tccgactgag tttgacttct 360
acttgtgcag ccatgctggc atcaagggca ccagcgcgtc cgctcattat cacgtcttgt 420
gggacgaaaa caacttcaca gctgatgggt tgcagactct caccaacaac ctctgctaca 480
cctacgcgag gtgcactcgc tcggtgtcga tggttccacc tgcatactat gctca 535

<210> 3363
 <211> 376
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316076c12b1

 <400> 3363

 tcgtttaaaa aattaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataa 60
 aaaaaaaaaa aaaaaataa agagaaaaag aacaaacaac tgaagggggg gggggcttta 120
 gaggaccaa gtttacttgc ggggggaatg caagaccaa gattttctaa agggccacct 180
 aaattcaatt aatgggccgc tgatccaaaa acgtaggact gggaaaacca tgggaaaacc 240
 aactaatgg gttggaaaaa aataacattt tctcaaggag acgaaaaata aaaaaggccc 300
 tgaccgatgg tctttaacaa cagtagtgca aacagaatgg cgaaaggcaa cccatttgta 360
 tgggagcata aagccc 376

<210> 3364
 <211> 465
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316076e12b1

 <400> 3364

 tcgtgtgcca tgttcctgct tgccgtgcac cccagtggc aggacaaggt cagggaagag 60
 gtctccggg agttccccgg cggggacagc gacgatgtgg taccacacgc ggatgttctc 120
 gccaaactga agctgctaca catggcattg ctcgagacat cgcgtctcta ccctccagtt 180
 gtgtacatac aacggaaagc tgctccgac accgtcctcg gaggcacaa agtaccacag 240
 ggaacaatca tatcaatccc cattggcatg ctacaccgag acaaggaagt ttggggcccc 300
 gacgccaacg agttcaaccc catgaggttc gagcagggcg tcacaaaggc tgtcaaagac 360
 tccaaggcgc tcttgacttt ctctctaggc ccgagagtgt gtactgggtca gaactttggc 420
 atcgtgcaag tgcaggttgt catggcaatg atcctcagca agttc 465

<210> 3365
 <211> 461
 <212> DNA

<213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316076f11b1
 <400> 3367

ttcaagcgtg ccttcgtcca ctggtacgtg ggtgagggca tggaggaggg agagttctct 60
 gaggcccgtg aggatctcgc tgccctggag aaggactatg aagaagttgg tgctgagttc 120
 gacgaggggtg aggatggtga tgaggggtgat gagaactact gcttctgtga ttgcgatctg 180
 cagatctgcc cgagtggctt ta 202

<210> 3368
 <211> 502
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316076g07b1
 <400> 3368

tttcgtcaca agacgatgat tagttcttca tggggagccc cggcagcttt caggacaggt 60
 tttgatctcc agcatgtcca ggatggtctc tatggaaggc acctgcatgt gtatgactgg 120
 cctggtggtg agctcaagca gacgctggat ctaggcagca caggtcttct tccgctggag 180
 gtgaggtttt tacacgaccc atcaaaggac accggctatg ttggctgtgc tttgacaagc 240
 aacatggtga gattcttcaa aactgcagat ggatcatgga gccatgaggt agctatatcc 300
 atagaaccat tgaagggtgcg caactggatg ctgccagaaa tgccaggatt gataactgac 360
 tctgtcatct ctctcgatga cgcgtatctc tacttggtca actggcttca tggatgatgc 420
 aggcagtaca acatttggga ccctgcaagc ctgtgttggt tggcaagttg ttgtaggtgg 480
 gctttttaaa gggcatgatg tt 502

<210> 3369
 <211> 447
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316076h08b1
 <400> 3369

tttaagcgca gacagacaga gcttgagaga gcgcgcgcga gatggcagcc tccatgatca 60

cctcgccgat tgtggcgccg acgagcgctc cctccctctc ccgcccgggt tcttccttcg 120
ccgtcgtctg cagcgggtggc aagaagatca aggtcgacaa gccccttgga cttggaggcg 180
gcttgacagt cgacatcgac gccaacggca ggaaggtggg caagaagggc gtgtaccagt 240
tcgttgacaa gtacggcgcc aacgtcgacg gctacagccc aatctacacg ccagaggaat 300
ggctctgaatc tggtgaccgc tacgccggcg gaacgaccgg gcttcttata tgggccgtca 360
ccctcgccgg cctcctcggc ggcggcgctc tctcgtgta caacaccagc gctctcgccg 420
gctaagagag catctacgtg ttacaca 447

<210> 3370
<211> 522
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316076h09b1
<400> 3370

tttcacgtgc tggatttcaa gaagttcatt ttctgccatt caatcctact gacaagagaa 60
cggcgctgac atacattgac gctgatggca aaatgcaccg tgtagtaag ggtgcacccg 120
agcagattct tcacctcgct cacaacacat tggaaataga gcggagggtc catgctgtga 180
ttgacaaatt tgcagagcgt ggacttcgat cgctggctgt agcgtatcag gaagtaccag 240
atgggaggaa agaaagccct ggtggcccat ggcactttgc tggctctgatg ccactttttg 300
atcctcctag acatgacagt gctgaaacaa tccggagggc acttaacctt ggtgttaatg 360
tcaagatgat cacaggtgat cagctcgcca ttggaaagga aacagggcgt cgctgggaa 420
tgggtacaaa acatgtatcc ttcatttgct ctgttggggc agaaaaattc agacgagtcc 480
atttctgctt accagctgat gattcattgg aaagctgatg gt 522

<210> 3371
<211> 373
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316077a09b1
<400> 3371

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aagggtcaga gatggcggac cgtgctaacc acccgtctgt catgcataag tttggtggac 120
 agttccacct tgcctccagc ttctctgagg gtgttcgtgc tcgcaacatc tgcccttctg 180
 tgccatccta tgagaggcgc ttcaccacaa gctgctacat gactcagaac cttggcatca 240
 gtgtcccat gatgtcatct tcttcattgt ttgccaatgc accacctggg aagaaagggtg 300
 tcaagaactt tgcaattgac ttgctatggg gggagtggcc gctgcagttt ccaagactgc 360
 tgcagctcct att 373

<210> 3372
 <211> 504
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316077a12b1
 <400> 3372

gaaagagcag gagcaggagc agcaaggcca agggctcacc ggcagacacc cgctcgccaa 60
 cggcagggtct ggaatgttgc caatgtcgag ccctccagca aatccgggac agtcaccat 120
 tttttatggt gggtcagtat gtgtgtatga ctcagtgcc aagagaagg ctcaagcaat 180
 catgctcatt gcagcagcag ctgctgcggc ctcaaaaagc aatggcaccg ctgctgttaa 240
 gcctccagcg atgtctgcga ccaatgcgat ccaagccatg cttacgcggt cgctctcact 300
 ccagagcact tctgtagcac atggacaacc tcaggctgtt gcggatccgg gctcgatttg 360
 caagcttcag gctgatcttc ccacgccag gagacactcc ctttagcgct tcttgagaa 420
 gcgccgtgac aggggtggtga gcaaagcttc ttacggcgcc gggtagccat ccgaaggcat 480
 gtgagcattt tttgggatgg aagc 504

<210> 3373
 <211> 197
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316077b09b1
 <400> 3373

ttttaaaaat ttttaaaaaa aaaaaaaaaa gagggtgatc agatataaaa gaacgatgat 60
 tctgttgggt gcatgcgagg gctttgtttt cgtatagagg gttctatctt ggatcttctg 120

ggcgatgggtt ttttatgtgg gggactgcat aaccaatgat gtgccgaaag tttatctcct 180
 tgcggttggt gaacatc 197

<210> 3374
 <211> 340
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316077c04b1
 <400> 3374

tagaggaaga ggctggcagt ttggttgag agaagaaaga agctgacact gttgctccgg 60
 aagagaagaa agaggctgac actgttgctc cggaggagaa gaaagaggcc gacactgttg 120
 ctcaagaaga gaagaaagag gctgacactg ttgctcaaga agagaagaaa gatgccctg 180
 tcgttgatgc cccagagaag actgaagaag tggaaggcga ggcagctgaa tctgaggtag 240
 ctccccggga ggctgagatg cctgaccctg taacggagaa caagggaaac gagaagccag 300
 ctgaatttga agaagtcccg gtggagtttg agatgtctga 340

<210> 3375
 <211> 505
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316077e05b1
 <400> 3375

tggaaagccc atgagttcat taaaagttca caggttcttg agaaccatcc taacagtga 60
 gcttattacc gccataggtc aaaaggttca tggacacttt caacagcgga taacgggtgg 120
 tctgtatcag attgtactgc agaagcactt aaggcattgt tgttggtgtc gaagatctct 180
 cctaattcttg tgggggggtcc catgaaagga gaaagggtgc atgatgcagt cgattgctta 240
 ctttctttta tgaataaaga tggcacattt tctacatatg agtgtaagag aactacatct 300
 ctattagagg ttctcaacct ttctgaaagt tttctgaaca ttattgtcga ttatccatct 360
 gtcgaatgta catcatccgt gctttaggcc ttaattatgt tcaaagagct ttaccaggg 420
 taccgcaaag aagagatagg aaaatgtatt aaaaatgctt ccaagttcat tgaggacaag 480
 caaagaaagg atggctcatg gtttg 505

<210> 3376
 <211> 460
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077e06b1

 <400> 3376

 ttccggcgctg ccggcaaggc ggtggcgctcg cgcgcgtcct tcgccgtgcg cgccgcggcg 60
 cccgagaggc ccatctgggt ccccgggagc accccatcct tcgtggcttg acggcagtcg 120
 tttccggaga ctccgagttt gacccttggg gtgtaggata cgaccggag agcttgcggt 180
 ggaacgtgca ggcggagctg gtgcactgac ggtgggcgat gctgggcgcg gcgggcattt 240
 tcatcccga gcttctgacc aagatcggca tccttaacac gccgttgcgg tacaccgtcg 300
 gtgagcatga gtacttaacc gacaccacca cccctttaat aggggagctt attcccatcg 360
 gctgtgccga gggccgcgg tgggcaaaca ttaacaagcc cggctgcgta acaaggacct 420
 catttttcca acacaagctt accgcaccga cgttggtccc 460

<210> 3377
 <211> 493
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077e09b1

 <400> 3377

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 ctgcggaagt tcataccac tagatgggga aggcaaagcg tgcatacata tttatcaggc 120
 tcgtttcagc agctggaact ggttttttct acgtgaagcg taagaatcct cggcggatta 180
 cagagaagct tgagttcagg agtacgata ctctgtata caagcatgtt ctatttacgg 240
 aagccaagat gaagtgaac agtcagcct tttttttttt ttcttgacat aagacctgta 300
 ctgttcattt tcgctgaaga cactgctacc tttattagcc tgttcagat tcgagagttt 360
 catgtgggca ccaaatcagc atggatcttg ctctgcctgc gctgttattt gtattgtaag 420
 tttatcactg aaaagagctg caagcctgga aaagtatgcc catctagtgt tgtgacaaaa 480
 tagagcgggt ttt 493

<210> 3378
 <211> 457
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316077e11b1

 <400> 3378

tgacagacgc aggcgcagcg cagggatgga cgccttctac tcgacctcgt cggcggcggc 60
 cagcggatgg ggctacgact ccctcaagaa cttccgcgag atctcccccg ccgtgcagtc 120
 ccacctcaag ctcgtttacc tgaccctatg ctttgccctg gcctcatctg ccgtgggtgc 180
 ttacctgcac attgccttga acattggcgg gatgctgaca atgctcgcgt gtatcggaac 240
 catcgcttgg atgttctcgg tgccagtcta tgaggagagg aagaggtttt gggctgctga 300
 tgggtgcagc cctcctggaa ggggcttcag ctggacctct gattgagctt gccatagact 360
 ntgaccaag catcctcgtg acagggtttg tcggaaccgc catcgccctc gggtgcttct 420
 ctggcgccgc catcatcgtc aagcgcaggg agtacct 457

<210> 3379
 <211> 455
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077f07b1

 <400> 3379

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 ggcactacag acattacaag aactgtacat tttggtaaac cctcagagca tcagaaatcg 120
 tgctacacag ctgtcttgaa aggccacatt gccctagatg ctgctgtgtt tcctaattggg 180
 accacaggtc atgctcttga catactggca agaaccacac tgtggaaaag tggctcttgac 240
 tatcggcatg gcacaggcca tggaatcgga tcttatttga atgtccatga aggccctcat 300
 ctaattagct tcagaccttc tgctcgcaat gtaccactgc aagcatcaat gactgtaaca 360
 gatgagcctg gttactacga agatggaaac tttgggtataa gggttgagaa tggtcttata 420
 gtcaaagagg ctgatactaa atttaatttt gggga 455

<210> 3380
 <211> 400
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077f08b1

 <400> 3380

 tttttaaaaa tctctctccg ctccccgctc cgagtcgcgt tgcgtgagga gaaaggaagg 60
 gaagccagaa agggttctcg ccgaggcgga aggaggagat ggccgctaag ggaggcatgg 120
 gcctgctcgc ggtcaagacg acggccgcca agaccgccga gaaggacaag gggaagaagg 180
 ccccatctc ccgctcgtcc cgcgcggggc ttgagttccc tgtggggcgt atccatcgtc 240
 agctgaagca aaggactcag gccaatggcc gggttggtgc tactgcggcg gtctactctg 300
 ctgctttcct ggagtacctg acagctgagg ttctggagct tgctgggaac gccagcaagg 360
 atctcaaggt caagcgtatc accccttggt acctccaact 400

<210> 3381
 <211> 88
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077g01b1

 <400> 3381

 aggcctgagc cctgctggga tgcggacgca tcagcgcgaa gtgccttata cgcttttcgc 60
 ccgcttcctt ttttaacttt tatgacca 88

<210> 3382
 <211> 435
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316077h02b1

 <400> 3382

 tcttcggttc ctctcattat gggaggtctc gttcccgttc acgctccgcc tctccccgcc 60
 ctcgtggcgg tggcgtgct cggtaaggt catactcttc tgctccaaga cggcgagatg 120
 actactctgc ttccccacgg ggaagggagt ctcatcgcac gaaatctcct gtgcgtcatc 180
 caaaagaaca tgaggaggac aaaaggagat cctactctcc ccctggtaga gatggtgacc 240

aacgtgatgc tgataacggg aggtcgccac cggccgacag tgatggatcc ccttcacgcc 300
cgaggggtggc caggccatcc tcaggatcgc cccctggatc ccgctccagg tcccccgacg 360
cttctcctgc ccgacgac tgagaaattg gttacattct ctgcgggcgc cgcattctca 420
tttagctact tccat 435

<210> 3383
<211> 579
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316077h09b1

<400> 3383

ttccacgcgt ccgtgaagtt caccaaagtc cctcctaaac caacttgcca tctcaagctc 60
aaaacaccat taaccaacta atagtgtctt tggcgcaaag ttaatacgcc atgaggacaa 120
ccagcatcct cattgtcgtt gttgccatgg tcatgtatgc taccagcgca tcggccacgc 180
gttgtggaga tttgatggga catcaattgt ggcacacgac agtagaggat ggatgggagc 240
caatcgtgaa cataaatgat gaccacatcc aggagctcgg tgactgggca gtgttgaggt 300
tcaacaagca tgtgaactgc acagtcaagt tcaacaaggt gttgagcggc cgacaaaaac 360
atgtgtctgg catgaactac gagctcatta tcgacgtgac acactntggt ggngaagacg 420
gtaactacaa ggcgagctg tacgagcagg agttgacgaa aaaacgccag ctcctttcct 480
ttaccaaagt gaaataggcg gcaccagtga tttaattgca ttatttggtt cctggaatgg 540
tgtagttcg ttgttaatcc aataataatt ttcccttgg 579

<210> 3384
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316077h10b1

<400> 3384

tctttcacgc ctgcggccac gcgtccggtg attacgatgc ctcatttcac atacggtcgg 60
cgtatgctat gttatggata gctcctgtcg caacaacatg acgagagatc ggagcttctg 120

ttcccccaaa aatgtgagat ggagaacctt actagcgagc ggccggtcgg gcggctacgt 180
tatgtgcttg agcagctgac acctgcaaag agctctcttt ttagaccaga cgacctgtgg 240
cgatgctagc cgaggccgga aacaacgact acatacttgc atcgctacga gctgagcctt 300
gacgttcttg acatcatgga ggacagcata aggcccaaga tgtgcccgcg cgatgacctt 360
gcttgcacgc gcatatcgcc aggacctgcc ctttcaacat gatgat 406

<210> 3385
<211> 224
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316078c03b1
<400> 3385

attgtttggc caccttcgac actccgcctg tgtcgacgac gatataggta gcgcgatccg 60
tgctcatcgc tagggcgcg gctcccgttt caagtcacac acccaccacc ataagggccc 120
cggccgtttg atgtcgcttc acttcggcca tcgcaacaga tacactaagg gcgctcctac 180
cgttgttatg caaacacctg agcctgggtc gccgcttgac aagg 224

<210> 3386
<211> 467
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316078f03b1
<400> 3386

gcctttttat ttagcatgcc agtaatatta tagctctggg gataatattc ttgcacactt 60
tagatgccat ttgatagatt gggaggacag gtaaatttac atatgacagc agagttctct 120
tcaccaagta tatgtcaata catgtctcaa tggcatggct ttgggatcga gatctacctt 180
gctaacgtta cagatcaatt gtcaatagct tgttgaaaat ctccccttgt ttgtaatgta 240
aggatcttat gtaatcttaa ggtttcgagc taatagagaa acccaatcca agtaaaagtt 300
ttcaacccaa tccaagtaaa agttttcagt attgcttaat tgtgtgagtg attaacactt 360
tttggttggt ctgaatttca ctctacata gttttattga caatttttat attcctttca 420
ttcaaatgag gcacaagata gatcacatct atcgcaacgt attggag 467

<210> 3387
 <211> 394
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316078h02b1

 <400> 3387

 tctttatggc gtcggagaaa gacgcggcgc tcgccgtcgt gcccaacgac aacccaccca 60
 tatttgacaa gatcatcaaa aaggagatac cttctacagt ggtgtatgag gatgagaagg 120
 tcctcgcttt cagagacata aatcctcaag ctccgaccca cattgtaatc attcccaaag 180
 tcaaggatgg attaaccggc ctttcaaagg cagaagagag gcatgtagag atacttggct 240
 gtctcctcta cgctgcaaaa gttatcgcaa agcaggaagg acttgaagat ggctaccgta 300
 ttgtcatcaa tgatggccct agtggatgtc aatctgttta ccacattcat gttcatcttc 360
 ttggaggagg gcagatgaac tggcccccag gcta 394

<210> 3388
 <211> 449
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316079a10b1

 <400> 3388

 tttagcgaca acaaggagga catgatcaac gacgggatgc acgagttatt agcgacttg 60
 cacgggcca aagacagaat gtaccagggc ggtcagtga aggtgagggg tgacctcaca 120
 gaacactgac tccttacgaa gagcagttcc attggcttca acaaacagat cgatcaccta 180
 aatgtggttg agaaagaccg gaacggctgt ttggatgtga ccaaccgac ctggaacca 240
 atgttccgcc ttgtgaatat ttttgaggag ttccgggacc agattgttct ttactggaac 300
 cgctcggact cttacgaacg gggaggctgg gtaaactcat gatgcgcgac acgaatgcct 360
 attgaaaaac agtcaaagaa tattgggaga gataagcca gcctggacac atattcctcg 420
 gactaagaag aagatgagga ggatgaaag 449

<210> 3389
 <211> 439
 <212> DNA

<400> 3391

tttgtcgctt cccgttcgga accccaagct tccccgccg tcggcgaaat ggccccgaag 60

cgaggcggca aggcgccggt gccggctaag aagaaggcgg tggacaagg tgcgaacccg 120

ctgtttgaga agaggccgaa gcagttcggc attggcgggg cgctgccgcc caagaaggac 180

ctccaccggt tcgtcaagtg gcccaaggtc gtgcgcatcc agcgccagcg ccgtatcctc 240

aagcagtgcc tcaaggtttc ctcggcgctt caccagttta cccgcaccct cgacaagaac 300

ctcgccacca acctgtttta gatgtcttat aagtaccgcc ccgtggacaa ggtggctaag 360

aaggagaggc ttttgatgag ggcccaggct gtagctgagg ggaaaacccg ttgaggccca 420

ta 422

<210> 3392

<211> 472

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316079h11b1

<400> 3392

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cgaatgaggg gaagaccggt cgtgttgtgt catttgtttg ctgggaactc ttcgacgagc 120

agtcatatga gtacaaggag agcgtgctcc ctgaggccgt caccgcaagg atcatcattg 180

aggctggctc tacccttgga tggcaaaagt atgtcggatc caagggcaag accatcggca 240

ttgacaagtt cggagccagc gctcccgcc cgaagatcta caaggagtac ggcatcaccg 300

cggagaacgt catcgccgca gccaaagagc tgttagatca gcacactcgt tgaggttctg 360

tcatcgttga tgccaaagaa caaacgacac cacacttgaa ggtctcgtgc ccagaagctt 420

ggaataacgg agggagagga ggatttgcct gagcgcgagt ggttttttta gg 472

<210> 3393

<211> 363

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316080a04b1

<400> 3393

ctgtctcgtg ggggctcagc tgtggaagct tccgattatt tttgttgtgg agaacaacct 60
atgggcaatc gggatgtcgc acctgaggtc tacttcagat cccgagatct ggaagaaggg 120
cccggcattc tgaatgcctg gggtagacgt cgatgggatg gacgtcctga aggccatgga 180
ggtaggctaaa gaggcaactg acagggcaag gagaggtgaa ggaccaactc tagtggagtg 240
tgaaacttac cggttcagag gacactctct tgctgatcca gatgaactca ggaggcctga 300
tgagaaatct cactacgctg caagggaccc catcacatcc ttgaagaagt acattatcga 360
gca 363

<210> 3394
<211> 345
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316080b03b1
<400> 3394

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actgggtttt caccaccgac ccggcgcggtg gggagaccac gatgtatcaa gcaccaccgc 120
tgctgctggt ggcccaccct gaggagttgg tgcgccaaca aggggtgtca tgagtggccc 180
tgcgccgcca gttgcttctg tgtggaggac atcacgacag atgaactgct ggtcgccctc 240
ctcccgttgg tgggacaaca actccaccgt gatggcctgc cggcgggcgac aaaagaacaa 300
ctgccgctcc gggcggcaca gctgaaagag gtggttgacg ccacg 345

<210> 3395
<211> 487
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316080b06b1
<400> 3395

gtcatggagc acaaggagac cggctgccag tctcgtgagg gcccacacct ttgcgtcaat 60
aactgcgggt tcttcggcag tgcggcgacc atgaacatgt gctccaagtg ccacaaggag 120
atggcgatga agcaggagca ggccaagctg gccgcctcct cttttgacag catcgtcaac 180
ggtaggtgatg ccgcgaaaga acatcttgct gctggcaaca cggcggtggc agttgctcac 240

gtagaggcga agacgcttat taccgcacag cctgctgata tcgccgggtcc cagcgaggcg 300
gcgatggaaa accccaaagg cccaagccgg tgcagcacct gcagaaagag ggtcgggctg 360
accggattca actgccggtg cgggaacctc tactgcgcga cgcaccgtta ctcggaacaag 420
catgagtga agtttgacta ccgcgccgcg gccatggacg ccatcgtcaa tgccaacccc 480
gtggtga 487

<210> 3396
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316080b07b1

<400> 3396

aaaaccaagc tcaaaataaa aaaaaaata tacctaaaaa aaaaacgaat ttttaaaaac 60
aagaaaacac aaga 74

<210> 3397
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316080c04b1

<400> 3397

tttttcgagg aggagtccag gaaaaacgat gaactgaccg accgtactcg ctcggtggat 60
gaacaactgt accgagatgg cagtctgacg gagacgaaag aacaactggc gcttcccggtg 120
gcagagctaa acgaggtggt tgatgacacg cggcctatgc ttgg 164

<210> 3398
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316080f08b1

<400> 3398

ttcttttttac gcgtgggagg acgcgtgggc ggacgcgtgg gagaattctt aattcaagag 60
ttatagggag ggacttatgt caccacaaac agaaactaaa gcaggtgttg gatttaaagc 120

tgggtgttaaa gattataaat tgacttacta caccacagag tatgaaacta aggataactga 180
 tatcttggca gcattccgag taagtcctca gcctgggggtt ccgcccgaag aagcaggggc 240
 tgcagtagct gccgaatctt ctactggtac atggacaact gtttggactg atggacttac 300
 cagtcttgat cgttacaaag gacgatgcta tcacatcgag cctgttgctg gggaagacag 360
 ccaatggatc tgttatgtag cttatccatt agacctattt gaagaggggtt ccgtttctaa 420
 catgtttact tccattgtat gtaacgtatt tggtttcaaa gccctacgtg ctctacgttt 480
 ggggatctac gaattcccc tacttatcc 509

<210> 3399
 <211> 326
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316080f09b1
 <400> 3399

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 acgagccgac gcgagagaac accaggagcc acacagcacc gccgacgcca gcagcaaacc 120
 cagaagagaa cgcgccccgca caaccgga aaaaaaaagg cccccggag ccaccagcac 180
 ccgaggagga gcccacgaca aaagaagaac cgaccgccc cccccgacca ccgggccaac 240
 aacagaaccg cgaaggcagc ccgacgggga cgaaagaaga acaggcgcg cccgaggcag 300
 aactaaaaga ggaacgagaa gacaca 326

<210> 3400
 <211> 409
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316080g01b1
 <400> 3400

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 gcgcctggcc tcgagcgtgc tcaagtgtgg caaggacagg gtctagctcg acccctatga 120
 ggtcaacgag atctccatgg acatctccat ggagaacatc cggaagctga taaaggatgg 180
 tttcatgatc aggaagcctc acaagatcca ctacaggact cagcaagga gggcacatga 240

ggccaagcat aagggccgtc actctggata tggctagcga tatggtacca gggaggctac 300
 gatccacacc aagatcctga gcatgctgat gatgctcgtc ctgatgctcc ttctgcggaa 360
 gttccgtgag gcgacaaga tcgacaagca catgtaccat gacatgtac 409

<210> 3401
 <211> 471
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316080g06b1
 <400> 3401

attaattaaa aaaatTTTT ttataaaaaa aaaaaggaaa aagaaaaagg gggggaatat 60
 aaaagaaaaa ataatggaca aaaaataata aattaaatat aaaaaagaa aaagaaaaag 120
 aataaaaaaa gaagaaaaga aagaagaaaa agaaaaagaa ataaagaaaa aaaataagaa 180
 gaaaaaaaaa gaaaaaaaaa aaggtagaag aacaaataaa agagaaaaat gaaaagaaaa 240
 acacataaaa aaaaaaaaaa aaaaaaatgg agaagaacaa aaaaaaaaaa aagagtaaga 300
 gaaaaaaaaa aaaaaaaaaa aaaaagaaac aaaaataaca aaaaaaaaaa gaaagaaagg 360
 taaaaaaaaa aaagagacaa gaaaaaacg acacgacaag aaaaaaatag aacgaacaaa 420
 aacaaaaaga agcaaaaagc atcaaggaga aaaaaaaaaa aaaagaaaac a 471

<210> 3402
 <211> 402
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316081a09b1
 <400> 3402

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 ggacactaca gaggacgcct gccaacattt tctgcattat gaaggctata cagcacttaa 120
 acgtgtttga caagcctctc gaccaaggaa gacctgatgg cccttcgag tgtttttgca 180
 tgactgttct agccattggt tcaatactac cagacacaat ttaacaacat ctgcttcctg 240
 tgacgacgtt aaggaccctg gtttgctgtg gtccaagatt tcttgactg ctttgtttac 300
 aagtgattgg gtataaacac gctactctac tgctgggtgat tttattattc atccacatca 360

cctttggttaa gtcctgtttg aaaggtgggc ttgcttcgtt tg

402

<210> 3403

<211> 444

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316081c09b1

<400> 3403

acagcgcgaa gagcaaaacg ccncagcccg aaacacgaaa aactgggtta ccaccggcaa 60
accggcacga gagaaaacga cagaacaaac agaccgaaga agccgatgac agaccagaa 120
gagaacgaga caaacaacag gcgaaaccaa ggcccaacgg agccaaagca cacagggagg 180
agccaagaca aagagaactg atgccccac gcacgagagg aaaaagaacc ggagacaaac 240
gaaagacaaa aaaacagcac aacgcgggac aaaacagaaa gagaaacaaa gaaaacacga 300
ggacaaaaca aaggaacagg acagaagaaa aacaaacgcc aatgaacagg gaaaaacccc 360
aggcaacaac ccaaaaaaaaa aacaccaaag caagcaacaa ccccccaaca acgcacaaca 420
gggacgcaaa aaacaaaaaa ggac 444

<210> 3404

<211> 653

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316081c11b1

<400> 3404

ttttattttt ttttttattt tttttttaca attttttttt accaaaaatc acaattaggt 60
aatttttttt ttattatttt ttttttattt tttttatatt tttttttatt tatttttttt 120
tttttttttt ttttttttat tttttttttt tttttttttt ttttttttta tttttttttt 180
tttttttttc atattttttt ttttattttt tatttttttt tttacttttt ttatcttatt 240
tattctttat cttattatat tttaaattatt atttatttac atttttaatt tattttttat 300
tatttatatt tttttattat ttataatttt ttactttctt tatttatttc atctaaattt 360
tttattatta taattcttat atatatttat tttttattat tttttctatt atttatgata 420
tattattatc atttattctt atatttttta tttatctttt ttttattata ttttttatat 480

atctttatctt cttattatctt ttatttttta aatttaattt tttttctttt tatttatctt 540
tattttttat ttttttattt attttttttt tttttttatt ttttaattta tttttttttt 600
ttttttttta ttatttttta ttttttatatt attatttttt ttttttctta tta 653

<210> 3405
<211> 409
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316082d03b1
<400> 3405

aaaaaaaaa aaatgaaaaa aaaaaaaaaa aaaaaaaaaa aagaagaaag ggaaaaaaaaa 60
aagaagaaaa aaaaaaaaaa aaaaaaggaa aaaaaaaaaa aaacataaac aaaaataaaa 120
aaaaaaaaa agaaaaaaga taaagaaaaa aaaaaaaaaa aagaaaaaga aaaaaaaaaa 180
aaaaaaaaa aaaaaaaaca aaaaaaaca aaacaaaaaa aaacaaaaaa agaagaaaaa 240
aaaaaaagag aaaaacaaaa acaaaaaaaa taaaataaaa ggagaagaaa aaaaagaaga 300
aataaaaaaa aaaacaatat aaaagaaaag atagataaaa aagaagaaaa aagggacaaa 360
acaaataaaa aaaaaaagtg aaaaataaga gaaaaagaac atatacaag 409

<210> 3406
<211> 383
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316083a03b1
<400> 3406

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gaagcagcaa gaagaagatg gccggaagga agggcggcga caggaagaag gcggtgaccc 120
gtcccgtaaa ggccgggctg cagttccccg tcggccgcat cgggcgctac ctcaagaagg 180
gccgctacgc ccagcgcgtc ggctccggcg cccccgtcta cctcgccgac gtcctcgagt 240
acctcgccgc cgaggtcctg gagcttgccg gcaacgcggc caaggacaac aagaagacgc 300
gcatcatccc gcgccacctg ctgctggccg tccgcaacga ccaggagctc ggtaggctgc 360
tcgcccgcgt caccatcgcc cac 383

<210> 3407
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083a05b1

<400> 3407

cagctatgga ggcggacgca cccccggag gcatcaacgc ctgtgtccgc ggcgcgataa 60
acgggctg 68

<210> 3408
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083c02b1

<400> 3408

acgggtgtttg tgcacccggc attctatgag ggtgttgacc atacctcaat aaaggccatt 60
gcatgtggtc gttcaacatg atgaactgca gatcgtgcaa caggtgagat catggtgcac 120
ggggggcacg gctactatat ggaggactta cacagaatga cgaggaactg agtgtgcttg 180
tggacttggt tggttaagcaa cagaaacacg atgtccactg gaacaagacc taagaaggag 240
tgcttcttcg catggaggag aagtacaccg ggctgctgta ctctaagagg ctgattacca 300
cttgctcgtgt ctatagaacc tggaagcatg gatacaacct ggacaggcgc aagaaatgtc 360
gctaccttga aatgctctat gccctgaagt acctgaaaat ggataggact gtccattgg 420
ctgttgagag cgagacccca gccaaatgag ttatgcttac cagag 465

<210> 3409
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083d02b1

<400> 3409

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tttactgcat atctgctggg ggtgaagagg atatgcgaga tacacctcaa ctgtactgcc 180
 ttggtatagt cttactggcg ttagatgtgt tctttggtgt tttctgctgt cactatggct 240
 tgcattattg ctattgacgt ttgttgctgc ctcccttgca ttatagcaat tatgtctgct 300
 gtctctgata acgaaggagc atctgaagat gacattcgac aaattcccaa atacaaattc 360
 cgtcagatgg atggacctga aaaggattcc gatgatgcca ctgagtcctt t 411

<210> 3410
 <211> 326
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083d05b1

<400> 3410

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 ctggctgacc ctagttagag tgcgtacgac caactggagc aatgatgggc ctgggcagac 180
 attgtttgtg tgtggaggaa tccatgacga aagaataact gattggccgc cttcgtctgg 240
 tgagagaaca accgcaccgg gatgtctgac tgacaggagc gaaagacgaa ctgctcctgc 300
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<210> 3411
 <211> 55
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083e09b1

<400> 3411

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<210> 3412
 <211> 83
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 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316083g06b1

<400> 3412

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 ttataaatat aaataatata aaa 83

<210> 3413
 <211> 489
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316083h02b1
 <400> 3413

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 ccaggacaag ggcaacatcc agaacaaggg aaacaaccag gacaagggca acaaggggtac 180
 tatccaactt ctccacagca gccaggacaa gggcaacaac taggacaagg gcaacaaggg 240
 tactacccaa cttctccgca gcagccagga caagggaac aaccaggaca agggcaacaa 300
 gggcactgcc caacgtcccc gcagcagtca ggacaagcgc aacaaccagg acaaggccaa 360
 caaataggac aagtgcaaca accaggacaa gggcaacaag ggtactacc aacttctgtg 420
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 ccaagacaa 489

<210> 3414
 <211> 488
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316084c07b1
 <400> 3414

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 ctaccacga cggtcgtcac cgtcttccgc atccgccgct tcggccccca tttctccgc 180
 acccaagggc acgcgcatcc ccactcaac caccatcacc accacctaca ctccatcccc 240
 gccaacatcc agatccgccg ccccgagctc ccagagcttc ccactctgc gaccggcggtt 300
 gccgtgagca tccaggagcg cgtcaaggac atcctgggtg tctcgtcgg gatcctcttc 360

<210> 3417
 <211> 71
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316086b01b1

 <400> 3417

 aaaaaaagaa aaaagaaaat taataaaaaa aaaataaaaa aagaagggaa ataaaaaaat 60

 gaaaaaaaat a 71

<210> 3418
 <211> 720
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316086b10b1

 <400> 3418

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 aggcgggggg ggggaggggg gcgggagagg gggaggaggg gggggggggg agagaggggg 180
 ggagggggga gcgcagaagg gaggaggggg ggagggaggg agaggggggg gggggggggg 240
 gggaaagggg ggagaggggg gaagggggaa gggaagaggg ggaggggaaca gaggaggggg 300
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 gggggggggg gaggggaggg gaggggggag ggaggggggg gagggggggg ggggggagagg 420
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 gggagggcgg ggggaagggg ggggagaggg gggagatggg gcgtggggga gggaggggga 540
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 ggggcggagg gggggggggg gaagaggggg tgggggaggg ggggaagaag gggcgagggg 660
 ggggggaggg ggggaggggg agggggggga ggaggggggg ggagggaggg gggggggggg 720

<210> 3419
 <211> 443
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316086c03b1

<400> 3419

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cggccaagga ccggtggtcg gggcttctcg gcctgggggg cgcttttggc gtcacggccg 180
tctgcgccgg gtcggccagg gcaagcgtct tcgacgagta cctcgagaag agcaagctca 240
actaggagct gaacgacaag aagagggcgg tgacgagcgg aggcaacttc ttgcgcgcct 300
acaccgttca gtcggcagc tgctagttac cctacaactt caccggatgt caggaccttt 360
gcaagcataa gaaagttccg ctcatcaccg acgacctgga gatcgagtgc gagggggaagg 420
agaagctcaa gtgcggatcc aac 443

<210> 3420

<211> 337

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316086c06b1

<400> 3420

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agtcaagtat aacttgatca agacgatcta cccgcatggc acaaactacc ttggcgggtga 120
gagccacgta tcgtggaaga gtggcacggc cctccaggac tagattctga agctgtagaa 180
tgtggacagt ggctctgtgg cgctacatct ggaatgggct cagccccctg gtgttaccct 240
gctaggtgcg cccgactgaa tggaggtgca acgctgctcg atgactctgc atgtatcggc 300
ccctgtttct ggaatcagat gtgttagcaa tttgtgg 337

<210> 3421

<211> 142

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316086e06b1

<400> 3421

tttccgcact atgagaccgc ccacgcatcc acggggcccc ggccaaggac atcgaccccc 60

gcgaagccaa accaacagaa acaggaccgc cgcctaagc cccagcactc aagggagca 120
aaccaaggca acagcagaag cc 142

<210> 3422
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087a02b1

<400> 3422

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acgcatttgc ccgtcaccgc aaaaactggg gtaccacctt ttcaaccggc gcgagagttc 120
accaggattc agacagtacc gacgatgctg gtggctgacc ctgaagagtt cgtggccgga 180
caactggcat atactcatgg atccttggcc cccatgggccc attctgagga gggggtagt 240
gaccaagac gaaacggaga gcccgcgctc cggctctctg gcgaagaact gaacaccttg 300
aagcgcagcc agacggggta cgaaagaaga acgtgggg 338

<210> 3423
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087a03b1

<400> 3423

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tccacacctt cagatctgtg gcctgttgta gtctctgcct ccttcgtaac tacaagtccc 120
tgcattcctc tccttgatcg gatgtacac 149

<210> 3424
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087c11b1

<400> 3424

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<210> 3425
<211> 655
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087d09b1

<400> 3425

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aaagaagag gaggaaaaag aaaagaaaaa agaaaaaaga agaaaagaaa gaaaaaaaaa 180
aaaaaagaaa aaaaaaaaaag aaagaggaaa aaaaaaaaaa agaaagaaga aaagagaaaa 240
aagaagaaa aaaaagaaag aaaaagaaaa gaagagaaaa aaaaaaagaa gagggaaaaa 300
aaagaagaaa agaaaagaga aaaaagaaat aaaaaaagaa gaaaaagtaa aaaagaaaaa 360
aagaagagga aaaaagaaaa gaagagaaaa agaaaagaaa aaaagaaagg agaaaaaagg 420
aaaaaaaaaa taaaaaaaaag aagaaataaa agaaaaaaag aaagaaggaa gaaaaaaaaag 480
aaagaaaaga aaaaaaaaaa ggaaaagaaa ggaaaaaaa aaaaaaaaaa agagagaaga 540
aaaaagaaga aaaaaagaaa gagaaataaa aaagaaaaaa acagaagata aaaaaaaaaa 600
aaagaagaaa aaaagaaaaa ggaaaacaaa aagaaaaaaa aagaaaaaag gggaa 655

<210> 3426
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087f06b1

<400> 3426

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ggcgagagc catctatgtg gaagcgtaca tgaaaagcga tgaacttgat aacaaaattc 180
tgatcatggg aaaacaagtg aactgaaaga agagctaagt ctccgaaaaa ttgaagaatt 240
gatacaatgc tggaaactga ccaagccagg aggggtgttaa cggtactcca caactaggac 300

ctggtcaggg agatcaatct tcgcgactgg taaaacacca cccttgcccg agctgacctt 360
gtttg 365

<210> 3427
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087g04b1

<400> 3427

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tctcgctggc cgtggagggg gccgagcccg aaccatgaac actaggggct tcttgagacc 120
tcagaagtga tttttttgat ggcattgagc acagagagat acgatcatca gctgattgtt 180
tacatgagat agatgaacat cataatgagc gagctatgga tggaatgcaa gatctagtcc 240
ttattctcaa gaggataaca ggtgatatag atgactcggg ggctgatcat tacccttggc 300
tgtacacaat ggggaatgac ctggaacatc aaggggggtc ctatttgga cagtggactc 360
attcaagac 369

<210> 3428
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316087h06b1

<400> 3428

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gactgtgcag gtcggccaga aggggatccc ctacctgaac acctatgatt gacggaccat 120
tcgctacca gaccctctat gaaggccaac agacactata aagcatatga gctggagacc 180
aacaagattg tggactaact aaagaaccac gatggtaacc tgaccatgac gactgacgaa 240
ctcaacactg ggcgtgtaga tgtgatcaag aacctggaga accctagggc aacctttgag 300
accatccacg ttgaggcagc ccagggacag caaaaacca cccgtttggg caatgaattc 360
accattggca caggcacc 378

<210> 3429

<211> 546
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316104b08b1

 <400> 3429

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 aagctgctgc agctgccaag aaggaacctg ctgaggggca agaggctgag gttgctgctg 180
 ctgccacaga ggaagcaaag aagagcaaca atgtccagag gaagcttgag aagcgccagc 240
 agggacgtac actggactcg cacattgagg agcagttcag tgggtggaagg ctgctggcct 300
 gcatttcgtc tcgccctgga cagtgtggca gagctgatgg gtacatcctg gagggcaagg 360
 agctggagtt ttacatgagg aagctccaga agaagaaggg caagggtgcc acagcttacg 420
 ctgaagagct gctgcatgtt actcgttgga ttttcttaga tgttgcgctc atgtcatgtt 480
 tgcagacata ctgaacacca ttttctgtaa acggttcgag ttctagggtg aactgagaat 540
 gttttg 546

<210> 3430
 <211> 451
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316104c10b1

 <400> 3430

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 atgccaaatt gttggagtga ctgcaggact acttgaatta ccagagatgt tgctatcatt 180
 gatgtgaaaa caggtaagaa acgccggagg aagtataaag gaacttgagg agagaagact 240
 aagaggaaga gccgtaaaca agcagctgag gtcacaaaag acaatgatga tgaatatgat 300
 gctggtcatg ctggttctga ggacacatca atgggagaac gcgattagga ctctgaagtg 360
 aacgaagaaa ccaagagtga tgaagagcct gaagcgacac cagttaagaa aaagttaaca 420
 gatgattaac aaggcatgat ggaagctgga t 451

<210> 3431
 <211> 487
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316104e09b1

<400> 3431

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 ggatttttat gcaattttat tctgactctt ttctcccacc aatctctctg gcttgctgct 120
 tcacgataat cgaccagttc tctagtcttt ctccctctgt tcctctctgc tctgctctct 180
 gactcgaact gcaacaatgg ctgccccgac ctctgcgac gggtttgagg gctacgagaa 240
 gcgcctcgag atcaccttct ccgaggcatc aatctttgcc gacctcatg gtcgtggcct 300
 gcgcgccctc tccagggccc agattgactc tgttcttgat cttgcacggg gcaccattgt 360
 gtccgagctt tccaacaagg acttcgactc ctatgtgcta tctgagtcga gcctgttcat 420
 ctactctcag aagattgtga tcaagacctg tgggactacc atgctcctgc tcaccattcc 480
 taggatt 487

<210> 3432
 <211> 424
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316104f09b1

<400> 3432

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 ctggcctcat catggaccaa cggggccatc gcctttctga tcaagtgtac ataaccaag 180
 atcaactaga tcgtcgacat cgctcgcttc gagaacaact taaccgagac atcaagctca 240
 ccgggaccaa agaagaactg cctctccacg tgcgaaacct gaaacaggac atgaacgacg 300
 ccacgcctac cttcgacact ggctctctta atacaacctt gaaactcttg acaacaagt 360
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 gagg 424

<210> 3433
 <211> 358
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316104h05b1
 <400> 3433
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 agtgtcttta ggcggtaacg ctggagccat gatgcaagca gaccggaaga ttacaagata 180
 gagacacctc gagggacata tctggaggac tggtttggaa aggcaagaac tgcaatgggc 240
 tgtggtcgag gatgtacacc aggcactgag gaactggcaa tgtgagggca tgaaggttta 300
 catagactcc aatggcagta gagagggaca gaggctactc tgcggacata catctgat 358

<210> 3434
 <211> 553
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsfl9316104h10b1
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 ccgcctggg gactctgtgc tgatgaaggc gcccgacaca tcaaagcctc cgtatgtggc 180
 caagattgag gaaatcgagg cagcaggacc tcggggcgca aatgtcaagg ttaaagtgcg 240
 ctggtactac cgaccggagg agtccattgg tgggcgcagg ccattccatg gcgagaagga 300
 ggtgttctc tctgaccacc aagatgtgca gagtgtgat accatagagt gcaagtgcaa 360
 cgtctacagc ttccgggact acaccaagct ttctgtgtc aatcctgagg actatttttg 420
 ccgcttcgag taaaaatcaa tcacaggcag ctttgtgcct gaccgcatag ctgtgttttg 480
 taagtgtgag atgccataca accctgacga tcttatgatc cagtgtgagg aatgctctga 540
 ttggtttcac cct 553

<210> 3435

<211> 447
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316106a12b1

 <400> 3435

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 cattgctggc tatgctgctg accatggcaa ggaatgtggt tctgatgagg tttaccagta 180
 tgattgtttc ctcagcaggt ggaccgccct ttctaagatg aatgtcactc gttgcgactt 240
 cgcgtgtgca gaggtcaacg gtgtgatata tgttgctgga ggatttggtc ccagtgggtga 300
 tagcttatca agtgtcgaag tttatgaccc agaacacaat aaatggacgt tgatcggggg 360
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 ggggtggcccg tcgaagctta caattgg 447

<210> 3436
 <211> 579
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316106c06b1

 <400> 3436

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 ggcacaagaa gatgaaagca aggtagttag acatcatgat ggagatatca cggaccatga 180
 caatcactca ccagaaggcg agacatctgt tgaagtgcct gacattaaag ctgggactgg 240
 agatgatgaa ccaccggtgg agacatctgc agtacctacc gaggagcagg accctacttc 300
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 tggagaaaat gtagatgatg ttggtaaaag cgataaaaag ggccatgagg atgagctgga 420
 tattccagaa cctgcagaag aagcatttga agatgagcat gatataccag aaccgtaga 480
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<210> 3437
 <211> 357
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316106c08b1

 <400> 3437

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 ttgcccact taatcatctt gtagcacatc atccttttgt cagctgggtg aatagtaaag 180
 aggagggcac cgatcgctgt tcttaacaat agctcagcat gattgggtgaa tggtagcagc 240
 cctgcagcgg cgcatcaaga agccgcggct gttgtgggta cttccagcat gaccgctgca 300
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<210> 3438
 <211> 78
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316106c09b1

 <400> 3438

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 aaaacggcct agcggttc 78

<210> 3439
 <211> 460
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316106e11b1

 <400> 3439

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 gataaatgtc atttgctcag caccggaagt tgcagatagg gtgaagagcc agttgaagcg 180
 attggcacgg cccatgtact caaacccacc tattcacggt gccaaagatcg tcgccaacgt 240

tgttggagac cctaccatgt tCGgtgagtG gaaagaagag atggaacaaa tggccggtcg 300
 gatcaagaac gttcggctga agctttacga tagcttgact gcaaaggatc agtctggcaa 360
 ggactggtct ttcattctga gccagatagg catgtttctcg ttcacaggct tgaacagacc 420
 ccagagcgat aacatgaccg ataaatggca catatacatg 460

<210> 3440
 <211> 561
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316106f06b1

<400> 3440

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 tcgccgtcgt ctgcagcggg ggcaagaaga tcaaggctga taagcccctc ggactcggag 180
 gcggcttgac agtcgacatc gacgccaacg gcaggaaggt cggcaagaag ggcggtgtacc 240
 agtttggtga caagtacggg gccaacgtcg acggctacag cccaatctac acgccagagg 300
 aatgggtctga gtctggtgac cgctacgccg gcggaacgac cgggcttctt atctggggcg 360
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 ccggctaaga gagcatctac gtgtaacaca gggccgggtc tttgcttgca tgcacgtctt 480
 tgtaatctgc gtagctacct nctgtgaatg tatgcaatca acgatgcaaa gtaattgatc 540
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<210> 3441
 <211> 227
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316106f09b1

<400> 3441

gcattaacgc ctctgtcctt taccctaaaa acaggagagac taccggcgac ccggcgcgag 60
 agttcaccag gaggcattct gcaccagaag ccgcacgctg agctgccacc tgatgagtat 120
 agaagtccgt acaacatgag cgatatcatt ggccccctcg agggcacacc cgtttacttt 180

CCAGAGCGAT AACATGACCG ATAAATGGCA CATATACATG

gtgagaggaa gtaccatgac gaaaagatga aactgattag tccccgcc

227

<210> 3442
<211> 465
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316106f10b1

<400> 3442

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tactcaacgc tgccagaggc tcatgcctgt actgctgggc tcaagtctgt gacaacatct 120
gccacagctg acgccattga agagtgccga aagctctgtg gcggacatgg ttacctgaac 180
agcagtgggc ttccagaact gttcgcggtc tatgttcctg cctgcaccta tgaaggagac 240
aatgtcgttt tgctcctgca ggttgcaagg tttttgatga agaccgtctc tcaggtggcc 300
actgggaagc aacctgtcgg caccatagct tacatgggca acatacagca cttgatgcaa 360
tgcaaaagcg ctgtaaatac agctgaagac tggctcatcc tgctgncata aaggaggtgt 420
ttgaagctgg gcactgagga tggcggtgaa ctgtgcgcag aacat 465

<210> 3443
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316106f11b1

<400> 3443

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aaccgagacg acagaccgac ggggacaaaa gaagaacagg cccaccacga agacagagca 120
aaaagaggag cccagacaac accagcgcca aagcaaggta ctggcacgct ggtcaaacia 180
ccgaaagaga ccgagaaaa 199

<210> 3444
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316106h09b1

<400> 3444

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gaccacaac agttcgactg cgaacacccg gcggtatcac agctctatcg cgtcgcagca 120
catccgcgga ggaccagatg acgaaagatc aactgagcgc ccacctaccg tcgttgcgaa 180
cacaagtga ccgtgaatgg agactgacac gcaccaaaga acaactcact ctccgcgtgg 240
catatcttaa atacgcgcat gatgacacga gcactaacct gggcacta 288

<210> 3445

<211> 307

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316108b10b1

<400> 3445

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gagttcgtca agttctacaa ctgctggaac gagttcgaga gcgcgtacac ggcgcaggcg 120
ttcgtgttct gcgacaaggc ggggccggac gcggagctgg tgggtggtggc gttccggggg 180
acgccggcgt tcgacgcggc gcggtggcgc gccgacctgg acccgtcgtg gtacaaggtg 240
ccgcggctcg ggcgcgcgca cgccgcctac acgcacgctc tgggcgcgca acgcaacatg 300
gggtggc 307

<210> 3446

<211> 426

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316108c01b1

<400> 3446

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tcctcctgct tgcggctgga gacggcagcc tcgccgacgg cactccatcg gggatcatca 120
gaaagacatg caccgttctt gaccgacccg gcgggagcgt ggatgacgac tactgcgtgg 180
gcgtgctctg agccgacccg gcgggcgcgt acgccaagga cgcacgaaac tagccgcatc 240

tccaccaacc tcaccgggga caacatcacg ttgacggtgc tcgtactcta ggacctggcc 300
aatagcctaa gagactgcct ccggatatac agggaaatga acaggcccct ggaggccgcg 360
ctaggtgacc tccgtgccg gcatgtcaaa gcggagaacg acaaactgag tcatgttttc 420
ggagag 426

<210> 3447
<211> 620
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316108c11b1
<400> 3447

aggcattaac gcctctgccc gccggccgag accccgcgtt tctcctgccc cctctctggg 60
cgacggcggc ggctgcccag atcggcagat ccggcgcttc cctggcccac aacggccacg 120
gtctctcct ccctggtggc cacaggcgcc ccgcccggtc agctgcacat tcttagatcc 180
ggaggccaat ctagtacagg tcgagcccat ggtgatgttg ccacggtttc tcctccccgg 240
tgctcctaga tccaacta gctcactaga ggcagggcgg nggttctgga cccctcgc 300
tccttcctt agaaggctgg aaagcaccca catgactcct tatgagcaac cctctttatg 360
gggggaggaa gagggacact ttttttttg gggggaaaaa aaaaccaacc ccggaagggg 420
gggttggggt gtttattaaa accccccccc cccccccc cccttttttt tttttttaaa 480
aaagagaaag ggggtgtttt ttttttttt ttttttctc aaacagggaa ggggggagcg 540
ggggattttt ttttttttt ctctctctgc gaaaaaaaaa aaaaaaaaaa aaaagggggg 600
ggggggggcg ccccccccc 620

<210> 3448
<211> 482
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316108e10b1
<400> 3448

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agcctctcgt ctccgacgga tcaaggaagg aggccaggag cagcagcaag atcagcagct 120

cgattgggca ggcaaggggc ggatggagtt cgtgctcatc atatccctgc cgctcctcat 180
 cctgacctc atcatcgccg tcgtcctctg catcgtctgc cgctagccac atgcccagcg 240
 caaagcgctc gtctctgctc ggtctgctgt gactgcggtc gcaccatatg ttgtgttaat 300
 caatccaata ttacatcatg actcggcata gaaaagaaaa gaaaaaaggc tcctctccac 360
 caccatttct atttttctgt tctggccctg tgggtgtgatt agctggctat agctctactg 420
 gctctcctga tggcaacaaa agcatcgatc ccgtgcgtcg atgcgcaatg catatgatat 480
 ac 482

<210> 3449
 <211> 434
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316108e11b1
 <400> 3449

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 agcaaaagct cttccagaag ctactgccc accggagcta gctgaacagt actacaaaaa 120
 gttacagga aacgacataa aggcattcag gtcattttat caatcactta tcgagaaaat 180
 aagacaacag cagaatggga gtcttgtgtt cagatagcat catcctattc attttcaatc 240
 tgtttgccag aagactcgtc agctgtatga tttgagtata gggtagttgt atcagtgatg 300
 tatataaagc taccatttct gagattagaa gatgtataat gcgggaacat ttttacagac 360
 ctgccgtggc gaagttgact gttcaccgca tgtcatcnga tgcagggaag tataacccaa 420
 gagtttgtca tgag 434

<210> 3450
 <211> 506
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316108f10b1
 <400> 3450

ttggtgacca ctacctgat cttctccagg ccgactacac tgatggggat gctctggatg 60

ccttgggctt ggctcgctac tgctgccgcc gtatgctcat gacccatgtt gacctcattg 120
agaagttgct caactacaac accctggaga agacggagac aagttgaagt taattgaacc 180
cattctgcct cgaaaccttt gttcctttgt actttccaag atgctgtttc ttgcgtcagt 240
gcttaggagg tgcaaagtga ggcactgaaa tgaagttggt ttgttcatga atctccaagg 300
actgttagtg tgaccatgcg tttctactat gtgatcttca aggctatatt aaccaacaag 360
tctatgcatt ctccagtttc agacttatta agctccaagc gttgaacatg ttattcctgt 420
gctttctgtt ggatgtagtt gggtgtgggc acccatttac cattgaatcg tcactagtga 480
tatgcattga accttcacat gtacct 506

<210> 3451
<211> 153
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316108g02b1

<400> 3451
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cacggggcgagg aggcacacan gacgaaagac gaacngaccg cccgccgccg cncggggggga 120
gaacaacaga accaggcaga cagacaggcg ggg 153

<210> 3452
<211> 318
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316108g07b1

<400> 3452
ttaatataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg gcggttttgg 60
gggtcccacc ctgcggtccc cgtcctggca acccaggggt ctttcgttgg ggcagccaaa 120
tttaatttct tgggcggggg tcccacaccc gtggccggga aaaccctggc catccccag 180
tttgagcacc tggcaggcct tcccctttta accggttggg aaaaaaccaa aagggcccca 240
gcgggcggcc ttccaaaaag gtcggcaccc ttgaagggtta aagggaaccg ccctgtctgg 300
gtggcataag gcccggcc 318

<210> 3453
 <211> 373
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316108h06b1

 <400> 3453

gcggagcggg aaacgcgggg ggaccacgc gcccggggta ggattcccc cccacccag 60
 accncggcac gcgggagggg ccagaccga ccgagagggc ccaccccgag cggggaagag 120
 gaaggcaagg cggacgacca ggaccgcagc tacgccgggg gccacgccgg ggccaccgac 180
 gaccagagcc gacagaacgc ccccccaag cacggcgacg gcaccgacgc caagaacaac 240
 acngacaggg agacgggcac gaccgcgggg cgcggggncg gcaccagcgc agagaacaag 300
 gcgaagcccc aggcgaacga ggccaagaac ggccaggacc aggacggccg caacaggacc 360
 gacaacgagg cgc 373

<210> 3454
 <211> 344
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316108h07b1

 <400> 3454

gccggcccggt gcgtgcacca agaatgagtc agtaccgacg gtgctggcgg ctgaccctgc 60
 cgagtgagtg tccgtacaac cagcgggatc atggacggtc ggggccagcg attgtctgtg 120
 gaggaggggca tgactaacga tgaactgact gccgcctgc gttcgctggg tgaacaaaca 180
 aaccgagatg gaagtcagac tgacacgaac gaaaaactaa ctgctcctgc gggagacctg 240
 acagaaagag gagcttgctc acacgatgac taaggtaggg actggccgctc gacaaacaac 300
 gtactgacaa aaaaaccgcg gacccaacca aattaaattg catg 344

<210> 3455
 <211> 443
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316112a06b1

<400> 3455

gcttcatgat ggcgaccgcc gacggccagt cccagcctgc ggccaccgaa ccctccccat 60
ccccggccaa gcgtaagacg gacaccgact ccgagatctc tcccctcgac ccacccgcca 120
aggccgcccc ccccggcgct gacgaggagg ccgcccgcga ggccaaggcc cgggtcgcgg 180
acaaggggaa gggcaagatg gtggtcgtat aggaggaaga aggcgaccag gaaagcgacg 240
aggaggagga tgacgaggag gtcgagggag atggcgacga gagtgacggc ttatgcgagg 300
atccccctctc cgaggtcgac ctcaacaaca tctgtgtctc tcggaccctg ctgtgtgtgcc 360
cagcacagcc tggggcgtag ctggcgccac cagaggaggc agcngaggat gactaggacg 420
atgaggacgc aaacgtcgac atg 443

<210> 3456
<211> 467
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsfl9316112a12b1

<400> 3456

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cgtgacggcg ctgatgttgg cgctggtggt gctggcgggc gcgccggggc gggcgcgcg 120
ggcgtgccag gcgtgcgagc tggcggtgtg cgcgtcggcg atcctctccg gggccaagcc 180
gagcggcgag tgctgcggca acctgcgggc gcagcagggg tgcttctgcc agtacgcca 240
ggaccccacc tacgggcagt acatccgcag ccccccacgc gcgcacacc tcacctctg 300
cggcctcgcc gtcccgact gctaggcgcc ggcaggcccc tggcgcatat ggctagctag 360
ctgccgccgt gagagtgtca gactatagct agccctagct gaggcggtac gtgttgcgct 420
catgaacgca tcttctgct aaactactat gtggnntcga cttgctg 467

<210> 3457
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316112b02b1

<400> 3457

aaaacgcctg cgcccgacc caaaaaacgg ggataccacc ggcgaccgg cgcgagagca 60
caccgaggaa cataaaacac cggcggcgcc gggggcacac ccagaagagc acgagcccgc 120
acaacgggcy aaaacagggc cccggggcgc cagcgacccc ccgcgaggga gcccaagaca 180
aaagaagaac agagcgcccc ccccgcccc cggggagaac aaccgaaccg agaggacagc 240
ccgacgggga caaaagaaga acgggcgccc cgcggggcag agccgaaaga ggagccggag 300
gacacgaggc ccaagccggg cacgggc 327

<210> 3458

<211> 241

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316112b12b1

<400> 3458

acaccgacac gagcgagagg gccaacaagg gccagcaaga agaagaggcg cgccccgccg 60
gccctgaggga gggcgcgggc ggacaagggg ggggagcagg gcccggcgcg cccagggcgc 120
caggcgggag aaccgcagga cgaaagaaga acgaaccgcc cggcgggcaa ggcggggaga 180
acaagcaaac ggagccggca ggccgaggag gacaacagaa gaacgggcgc caagggccgc 240
a 241

<210> 3459

<211> 485

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsfl9316112c05b1

<400> 3459

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gggcgaccac gcagtgggac gacatccagc gcaagctcgg caacctgccc gagaagccgc 120
cgcccttcaa gccgcggcc ttcgccccca gggccgacgc cgacgagcag cccaggtcca 180
aggagtggct cgacgcgcgc gaccccgacg agctcgagga gctcgaggac gacctcgacg 240

acgaccgctt cctcgagcag tacaggagga tgaggcttgc agagctcaag gaggcagcaa 300
aaactgccag attcggcaca gtacagccca tcacaggctc tgattttgtg cgtgagggtt 360
cgcaggctcc accggatgtc tgggttgtgg tcttntctta taaggatgcg ataccagaat 420
gtgggctgct tgagactttg ctggaggaac tggccacata aaatgcataa accaagtttg 480
ttaaa 485

<210> 3460
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316112c09b1

<400> 3460

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cggggagcag ggaggccgcg caggcagcga gcctggcgga cgcgcgggca acgaatccat 120
ccatccacgg ccggtgcggg caagcaggcc atccgcgcgg gcggagagca gggaggccgc 180
gcgggcagcg agcatggcag acgcgaggac ggcgagcatg gcgcgcgtgg gcggctcact 240
ccaccgacga cttcttccat cgggcgcgcg gcggcctctt ccctcgagcg cgcagcggcc 300
tcttcctcgc ggcgcgcggc ggcctcttcc tcgagcgcgc ggctgtctct tccctcggcg 360
gccgagggcg gcctcctccc tccggcgtcg gcccgccaat gctgcaccgg tgcacggcgg 420
tgccctctc tctctccagg aaccagcgag cacggtcggg cggcggtgcc gaaaccagg 480
gtcggagagc g 491

<210> 3461
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsfl9316112c12b1

<400> 3461

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cgcgcaagga cgaggtggtg acacgcgagt acaccgtcaa cctccacaag cgcctccatg 120
gatgcacctt caagaagaag gcaccaaag ccatcaagga gatcaggaag tttgcacaga 180

aggccatggg aaccaacgat gtccgcattg acgtgaagct caacaagcac atctggagca 240
 gtggcatcag gagtgtcccg aggagagtcc gtgtcaggat tgcccgcaag aggaatgacg 300
 aggaggacgc taaggaggag ctgtactctc tggtcacagt tgctgaagtt ccccaggaag 360
 gtcttaaagg tttgggtacc aaggttgtgg aggatgagga ctaaaccccc tgtctgtcgt 420
 atcgatcagt tagaacttaa tacatatctg ctgagagcat a 461

<210> 3462
 <211> 383
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsfl9316112d06b1

<400> 3462

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 gtgaaggcca tcaggaggaa gaccaccggc accgggagga tgaggtacat gcgccatgtg 120
 cccaggaggt tcaagagcaa cttcagagag ggaactgagg ccgcaccaag gagcaaggga 180
 gcctcttcca gcggcaacta ggcgtgacag tctccatttg ttgccctaag cgaagccctg 240
 atcatcaaac ttagcttttt tgttggtttc tactggaact cttatgtttc tatgttgaga 300
 ggcagactat atgatgcctg gttatgttat ttgcacaatt gtcgtggacg ttaatccttc 360
 agttttgaat gttgaattgt gtc 383

<210> 3463
 <211> 483
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316112d09b1

<400> 3463

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 cgcccgcaac aacgggcgaa aacagggccc cgggggggcc caaagcacc cggggggagg 180
 agccccacga cgaaagaaga acngaccgcc cgccccgcc cgcggggaga acaaccgaac 240

cgagaagaca gcccgacggg gacgaaagaa gaaccggcgc cccggggggc agagcaaaaa 300
gaggaccccg acgacacgag gccaaagcgg ggcacggggc gacgcaaaca acgagaagac 360
gggaaaaacc ccggggcccc ccaacaaaag cgccgagaag cacaccccca ctgcgccagg 420
gggcgaaaaa acgaagaggc ccgcaccgag cgcccatcca aacagtcgca caacccaaag 480
ggc 483

<210> 3464
<211> 496
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316112e05b1
<400> 3464

ctactacctc cccgcaactc gctgtcctc ccacaaccga agctcagtcc cgtggccacg 60
cagaacaaaa tgcagcgagc aattcaagct atccgatcac atggcagtgt gctcaaattc 120
gctgtcctgc aacacatcag tgttgtgaag cctgctatgc tgcccgtgt gttcccacgc 180
ttcatgtcag tatcatctgc tcaaatagag gagagtggat ttgagagcag cactgttgca 240
gacattttga agtctaaagg gaagagtgcc gatggatcat ggctctggtg caccactgat 300
gatagtgtct atgatgctgt caaatcgatg acacagcaca atgtgggagc tttggtggtt 360
gttaaacctg ggggaagataa atcaattgcg ggcattgtca cagagagaga ttatctccgg 420
aaaattatag tgcagggtcg atccttcaag tcaaccaaag ttggagatat catgaccgca 480
gagaacaagc tgatca 496

<210> 3465
<211> 362
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsfl9316112e09b1
<400> 3465

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gcaatgtgtg aatttatgaa atttctgaga cccccaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaggaa aaaaaaaaaa aaaaaaaaaa aaaaagagac aaaaaaaaaa aaaaaaaaaa 180

aataaaaaaa aaagaaagct aaattaaaac tactgaaaaa tgcaaacaaa attcaatgca 240
 cgggaaaacc actttacaaa cccaagacta aaaaaaccaa gtcacccca tttcaacagc 300
 tttcaaaata aaaaacatgt ccgcaacaaa cgcaatatcc aacagacgca cacccatatt 360
 gc 362

<210> 3466
 <211> 444
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316112f04b1
 <400> 3466

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 aagatctatg acatgatgag cacagctatg gcgggcaagt gggcgctcgca gccccaacct 120
 gccagccaa gccagcagcc tgctgcacct agtagctctg aacctgagcc gcttgaagcc 180
 gaggtggtgg aaccgcgcga ggctggccag cagaagtga aatccgcacg gtgggaaatc 240
 catcagggtc gatgtcaagt gcatacgcgg gtgctatccc aagctctctg cttgttcctt 300
 ttttattatg ccggaatcgg cttacacggc atgtatgatg agccgtgcga gtgctagtat 360
 acacttatcc tagatagggg tgtggtgata ctaataatag gactgaacat tttggccttg 420
 aacacgctgc ctgctacttt actt 444

<210> 3467
 <211> 287
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsfl9316112f08b1
 <400> 3467

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 aaggcgcaag ggctgacata ccgaaagcgc cacaatacgc acgaagtgac ccagatctcc 120
 ctggacaaga cccacgagg aaggattgag taccagccca cctagaagcg ggagagtaac 180
 aaaaaacgcc cggataccgg ccagacagat ccaaagaaaa acacaccgc tgccctacgga 240
 aaacaagaag gacagactgt gaaacaacag gacgactgtg gaccgtg 287

<210> 3468
 <211> 385
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsfl9316112g08b1
 <400> 3468

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 ccctcctcct cgtcccgag cgtcgtttc ctgccccca cccaaaccgc ggcgccggga 120
 accaccacca gcggcggtt cgcgcgatg agctggctcg ggaagctggg gctgggcggc 180
 gggggaagcc cgcgcgctc ggaggcgctc gcggcgctgg cgcaggggcc cgacgaggac 240
 aagccggcgc ccgggagcga gttcgcgag ttccggggccg gctgcttctg gggcggtggag 300
 ctggtgttcc agcgctgcc cggggtcacc cgcaccgagg tcggctacag ccagggcgcc 360
 ttccacgacc ccacctacga ggacg 385

<210> 3469
 <211> 226
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsfl9316112h07b1
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